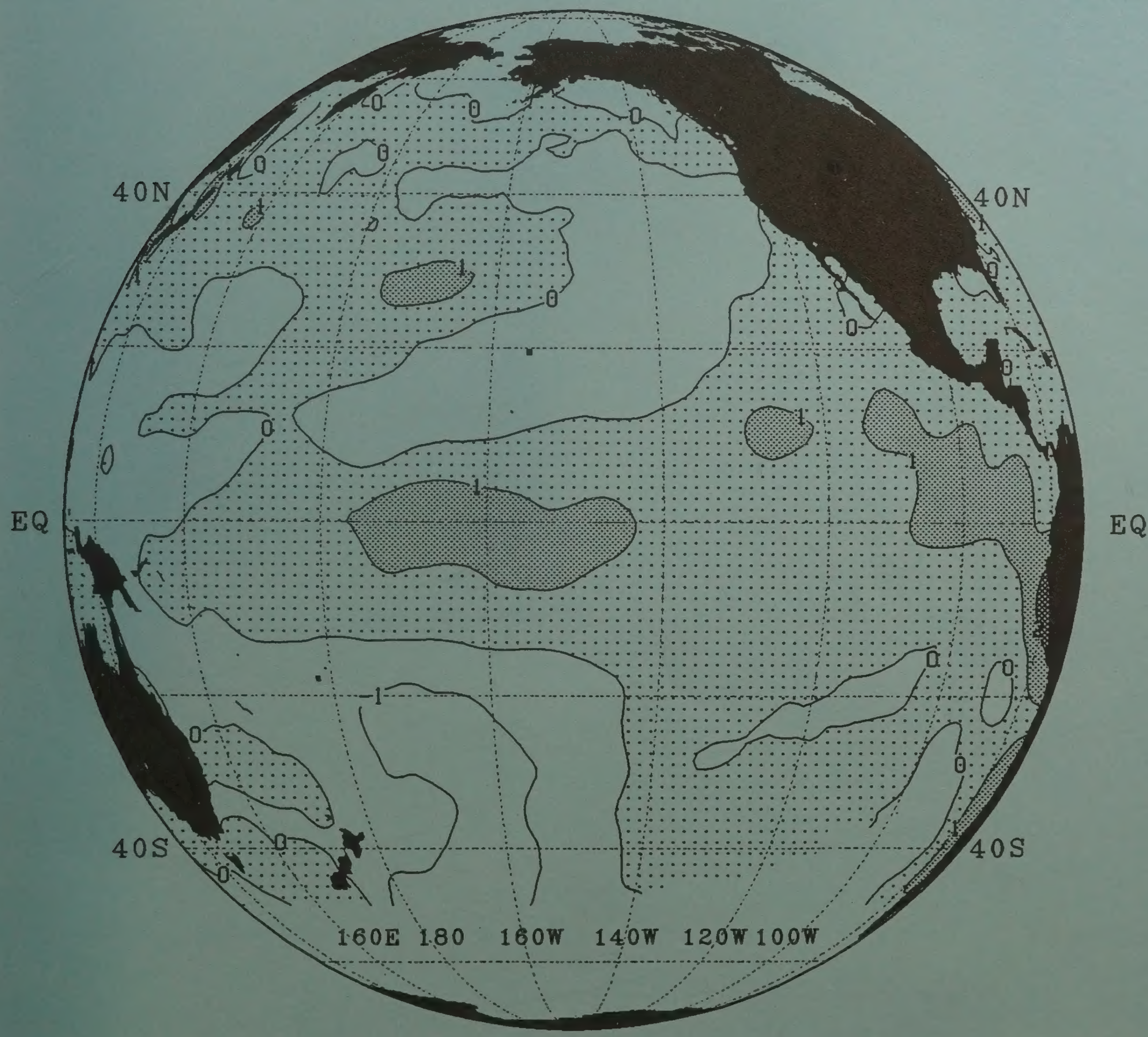
# 気象庁海洋月報

# Monthly Ocean Report

## January 1995 (No. 25)






El Niño Monitoring Center
Japan Meteorological Agency

気象庁海洋気象部海洋課
エルニーニョ監視センター

平成7年1月

気象庁海洋月報は、気象庁海洋気象部海洋課エルニーニョ監視センターで作成されています。
本月報に関する問い合わせは、

〒100　東京都千代田区大手町 1 - 3 - 4　気象庁海洋気象部海洋課エルニーニョ監視センターまで。
電話 (03) 3212-8341 (内線 5134､5135)　　ファクシミリ (03) 3211-3047

Monthly Ocean Report is prepared by the El Niño Monitoring Center, Oceanographical Division, Marine Department, Japan Meteorological Agency.

Correspondence relating to this report may be directed to :

Kunio Sakurai
Head, El Niño Monitoring Center, Oceanographical Division
Marine Department, Japan Meteorological Agency
1-3-4 Ote-machi, Chiyoda-ku, Tokyo 100 Japan
Facsimile: +81-3-3211-3047

表紙は、1995年1月の太平洋の月平均海面水温偏差図です。
陰影部は、平年より高温の海域を示しています。

The figure on the front cover shows the monthly mean SST anomalies for January 1995 in the Pacific Ocean.
Areas of positive anomalies are shaded.

# 目　　次

# Table of Contents

# 海況の特徴（1995年1月）

## 太平洋の海況

太平洋赤道域の海面水温は、日付変更線付近から150°Wにかけてと110°Wから南米にかけて平年より1℃以上高かった。また、ペルー沖では2℃以上高かった。エルニーニョ監視海域(4°S～4°N、150°W～90°W)の海面水温偏差は、+0.8℃だった（第1表、第1図、第6図）。

気象庁の海洋気象観測船「凌風丸」は、本年1～2月に本州南方から3°Nにいたる137°E線に沿う海洋観測を行った。この観測によれば12°N以南では表層水温は平年に比べて低く、特に、5°Nの深さ125m付近では平年より8℃以上低くなっている。また、水温躍層の目安となる20℃の等温線の深度は、7°Nで50m（平年100m）、3°Nで150m（平年170m）と浅く、上層の暖水は薄かった（A図）。

北太平洋では、30°N・170°W付近を中心に、平年より1℃以上高い状態が続いているが、その範囲は先月に比べて狭くなった。一方、15°N・165°W付近から40°N・130°W付近にかけて、平年より0.5℃以上低かった。また、15°N・140°E付近を中心とした海域でも、平年より低い状態が続いていた（第6図）。

## 日本近海の海況

日本近海は、北海道東方で平年より低いほかは全般に平年より0.5～1.5℃高かった（第24図）。

黒潮は1月中旬までは九州から紀伊半島にかけて接岸して流れていたが、下旬には九州からやや離岸して流れた後足摺岬に接岸する流路に変化した。紀伊半島から東では、月を通して本州の南岸に沿って流れ、房総半島沖を東に流れていた（第27図）。

本州東方の親潮系の冷水（深さ100mで5℃以下）の沿岸の分枝は、40.5°N・144.6°Eまで達していた（第26図）。

## 熱帯の気象

季節内変動に伴う対流活動活発域の東進が明瞭で、赤道付近の対流活動は平年より活発であった。特に、日付変更線付近の上層雲量は、標準偏差を上回る正偏差が今月も持続した。また、赤道域の下層（850hPa）東西風は、中部・西部熱帯太平洋で東風偏差に転じた。南方振動指数（SOI）は、今月も負の値が持続したが、値は-0.4と小さくなった（第1表、第3～5図、第12図）。

［気象庁長期予報課提供］

# HIGHLIGHTS January 1995

**Pacific**

Sea surface temperatures (SSTs) along the equator were more than 1°C above normal between the date line and 150°W, and between 110°W and the South American coast in the Pacific Ocean. SSTs were more than 2°C above normal off Peru. The SST index for region B (Fig. 6) was +0.8°C (Table 1 and Figs. 1 and 6).

According to the oceanographic observations from January to February by R/V Ryofu Maru of the JMA from 34°N southward to 3°N along 137°E,subsurface temperature were below normal south of 12°N, and more than 8°C below normal near 125m at 5°N. The tropical thermocline was shallower than normal. The depth of 20°C isotherm was 50m (normal 100m) at 7°N and 150m (normal 170m) at 3°N (Fig. A).

In the North Pacific, SSTs were continued to be 1°C above normal near 30°N, 170°W, but the area of which had been reduced. SSTs were more than 0.5°C below normal from 15°N,165°W northeastward to 40°N,130°W, and continued to be below normal near 15°N, 140°E (Fig. 6).

**Seas adjacent to Japan**

SSTs in the seas adjacent to Japan were 0.5-1.5°C above normal except east of Hokkaido (Fig. 24).

The Kuroshio, which had flowed along the coast of Kyushu to the Kii Peninsula until the middle of January, flowed off Kyushu and along Shikoku and the Kii Peninsula at the end of January. East of the Kii Peninsula, it flowed straight along the south coast of Honshu, then flowed eastward off the Boso Peninsula throughout January (Fig. 27).

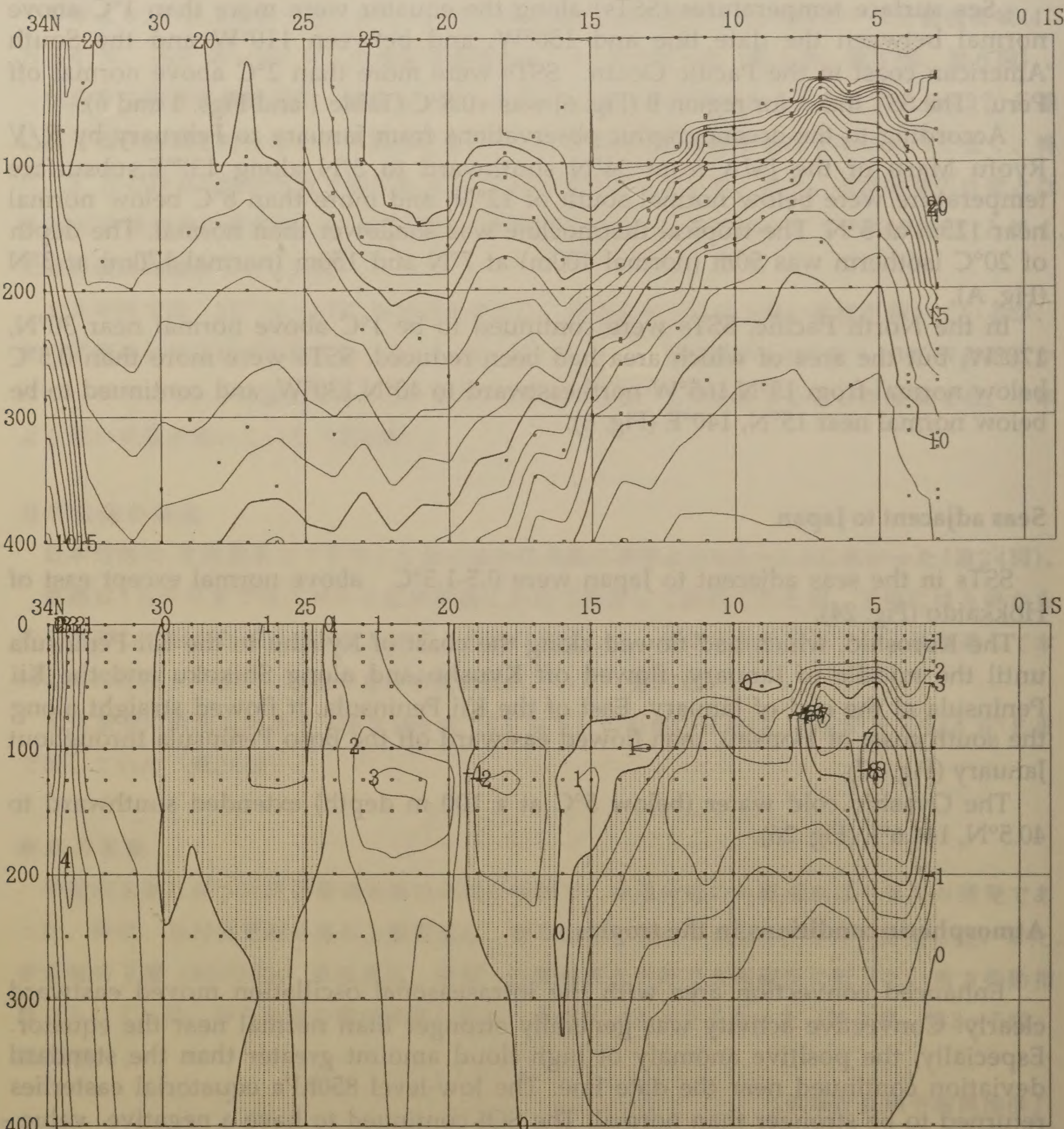
The Oyashio cold water (below 5°C at a 100 m depth) extended southward to 40.5°N, 144.6°E (Fig. 26).

**Atmospheric conditions in the tropics**

Enhanced convection area with the intraseasonal oscillation moved eastward clearly. Convective activity was generally stronger than normal near the equator. Especially, the positive anomaly of high-cloud amount greater than the standard deviation continued near the date line. The low-level 850hPa equatorial easterlies returned to be stronger than normal. The SOI continued to have a negative value -1.2, but the absolute value was smaller than that of last month (Table 1, Figs. 3-5 and 12).

[Prepared by the Long-range Forecast Division, JMA]

Depth-Latitude Section along 137°E of Subsurface Temperature




図A　1995年1～2月の137°Eに沿う表層水温断面図（上）と偏差図（下）

Fig. A Depth-latitude section along 137°E of subsurface temperature (top) and anomalies (bottom)from January to February 1995. Contour interval is 1°C. Values greater than 28°C in top panel and negative values in bottom panel are shaded.Anomalies are computed from 1967-1990base period means.

| DATE | SEA SURFACE TEMPERATURE AND ANOMALY (°C) | | | | | | | | SEA LEVEL ANOMALY (cm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Region D 14N-Eq. 130E-150E | | Region A 4N-4S 160E-150W | | Region B 4N-4S 150W-90W | | Region C 4N-4S 90W-80W | | Yap 10N,138E | Rabaul 4S,152E | Majuro 7N,171E | Tarawa 1N,173E | Christ-mas 2N,157W | Santa Cruz 1S,90W |
| FEB 94 | 28.5 | +0.2 | 28.0 | 0.0 | 26.1 | -0.1 | 26.0 | +0.3 | 7 | 3 | 2 | -1 | -7 | 0 |
| MAR 94 | 28.6 | +0.2 | 28.2 | +0.1 | 26.9 | 0.0 | 25.3 | -0.6 | 6 | 4 | 3 | 6 | 0 | -4 |
| APR 94 | 29.1 | +0.3 | 28.4 | +0.2 | 27.0 | -0.1 | 24.2 | -0.9 | 2 | 5 | 5 | 6 | 0 | -8 |
| MAY 94 | 29.4 | +0.3 | 28.9 | +0.4 | 26.8 | +0.2 | 23.4 | -0.5 | 2 | 3 | 1 | 7 | 1 | -3 |
| JUN 94 | 29.6 | +0.3 | 29.0 | +0.5 | 26.3 | +0.2 | 22.2 | -0.5 | 7 | 1 | -2 | 6 | 1 | 1 |
| JUL 94 | 29.2 | 0.0 | 29.2 | +0.7 | 25.1 | -0.1 | 21.2 | -0.4 | 9 | 2 | -1 | 9 | 4 | 0 |
| AUG 94 | 29.3 | +0.2 | 29.4 | +1.0 | 24.6 | 0.0 | 20.6 | 0.0 | 1 | 0 | 0 | - | 7 | -1 |
| SEP 94 | 29.1 | -0.1 | 29.1 | +0.8 | 24.6 | 0.0 | 19.9 | -0.4 | -5 | - | 0 | 14 | 4 | 1 |
| OCT 94 | 29.3 | 0.0 | 29.2 | +0.8 | 25.3 | +0.7 | 21.6 | +0.9 | 0 | - | -1 | 10 | 9 | 4 |
| NOV 94 | 29.3 | +0.1 | 29.5 | +1.1 | 25.6 | +1.0 | 22.4 | +0.9 | -14 | 2 | -3 | - | 7 | 10 |
| DEC 94 | 28.8 | -0.1 | 29.4 | +1.2 | 26.0 | +1.1 | 23.6 | +1.0 | -1 | 2 | -5 | - | 6 | 9 |
| JAN 95 | 28.3 | -0.2 | 29.0 | +1.0 | 26.2 | +0.8 | 25.7 | +1.4 | | | | | | |

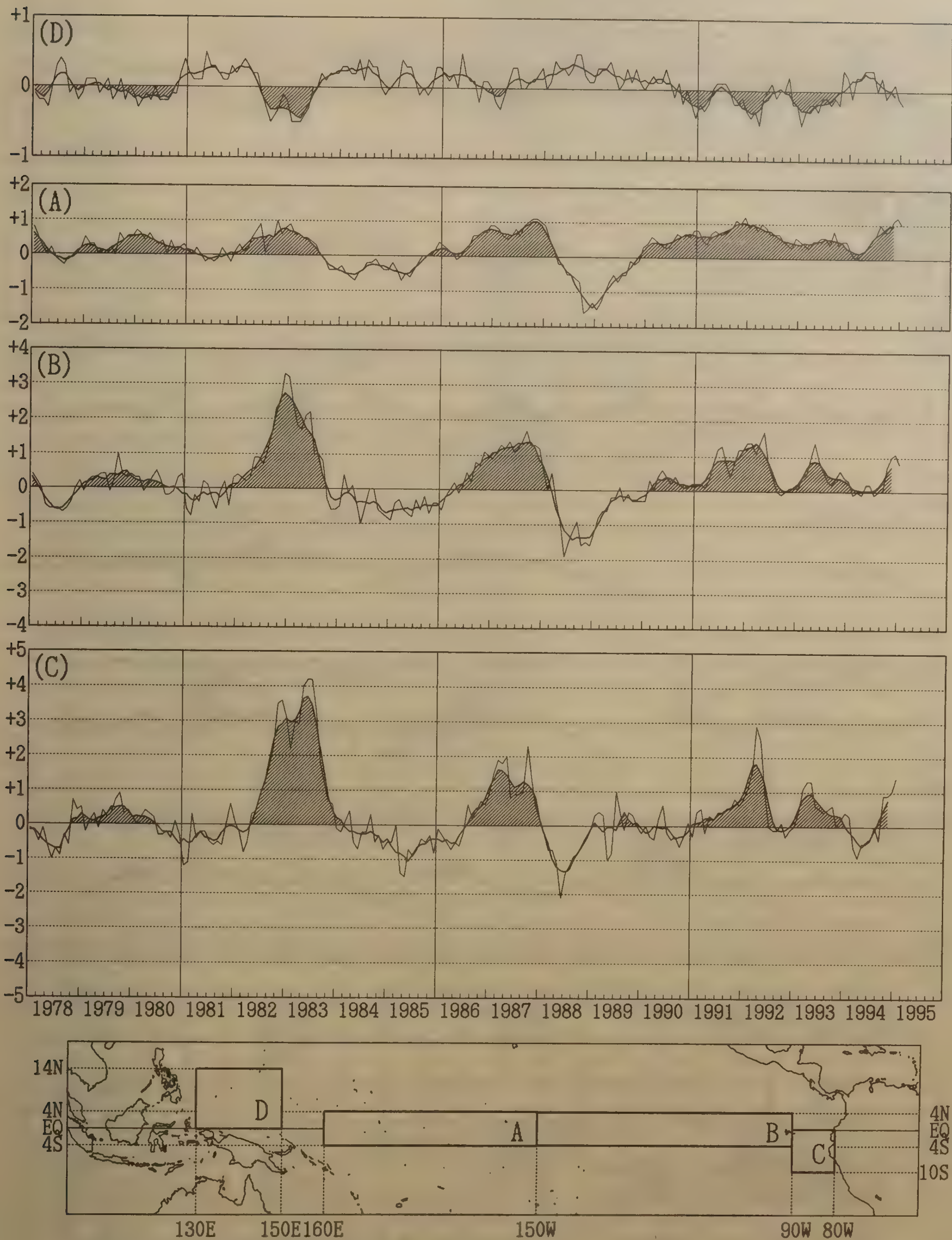
第１表（ａ）エルニーニョ監視指数

Table 1 (a) El Niño monitoring indices. Data sources are the El Niño Monitoring Center of JMA for the sea surface temperature and anomaly and SOC for ISLP-Pac, Department of Oceanography, University of Hawaii for the sea level anomaly.

| DATE | SOI | SEA LEVEL PRESSURE ANOMALIES | | HIGH CLOUD AMOUNT INDEX | | | EQUATORIAL ZONAL WIND INDEX | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TAHITI 17.5S,150W | DARWIN 12.5S,131E | HCLD-PH 20N-10N 110E-140E | HCLD-MC 5N-5S 110E-135E | HCLD-DL 5N-5S 170E-170W | U200-IN 5N-5S 80E-100E | U200-CP 5N-5S 180 -125W | U850-WP 5N-5S 160E-175W | U850-CP 5N-5S 170W-135W | U850-EP 5N-5S 130W-100W |
| FEB 94 | 0.1 | 0.0 | -0.2 | -0.5 | -0.5 | -0.7 | -0.8 | 0.8 | -1.0 | -0.9 | -0.4 |
| MAR 94 | -0.8 | -0.1 | 1.7 | 0.6 | 0.8 | -0.6 | -1.5 | 0.2 | -0.6 | -0.2 | 0.1 |
| APR 94 | -2.1 | -1.5 | 1.2 | 0.7 | 0.4 | 0.4 | -0.2 | -0.3 | -0.5 | -0.4 | -0.5 |
| MAY 94 | -1.4 | -0.8 | 1.0 | 0.2 | 0.4 | -0.3 | -0.3 | -0.5 | -0.3 | 0.2 | 0.0 |
| JUN 94 | -1.0 | -0.9 | 0.3 | -0.3 | -1.0 | -0.3 | -0.5 | -0.7 | -0.4 | -0.6 | -0.5 |
| JUL 94 | -1.6 | -1.5 | 1.0 | 3.5 | -1.1 | -0.5 | -1.2 | 0.4 | 0.1 | -0.1 | -1.3 |
| AUG 94 | -1.8 | -0.7 | 2.0 | -0.9 | -1.1 | 0.4 | -0.6 | 0.0 | 0.6 | 0.0 | -1.8 |
| SEP 94 | -1.6 | -1.5 | 1.5 | 0.2 | -1.1 | 1.4 | -0.9 | 0.1 | 0.4 | 0.3 | 0.9 |
| OCT 94 | -1.5 | -1.1 | 1.2 | -0.6 | -1.9 | 0.2 | 1.1 | -0.9 | 0.9 | 1.2 | 0.8 |
| NOV 94 | -0.6 | -0.2 | 0.9 | -3.4 | -1.3 | 1.9 | 0.5 | -0.3 | 1.2 | 1.2 | 1.6 |
| DEC 94 | -1.2 | -0.3 | 1.8 | -0.7 | -0.2 | 2.6 | 0.5 | 0.1 | 1.2 | -0.2 | 0.1 |
| JAN 95 | -0.4 | -0.3 | 0.6 | -1.1 | -0.4 | 1.2 | -0.4 | -0.2 | -0.3 | -0.6 | 0.3 |

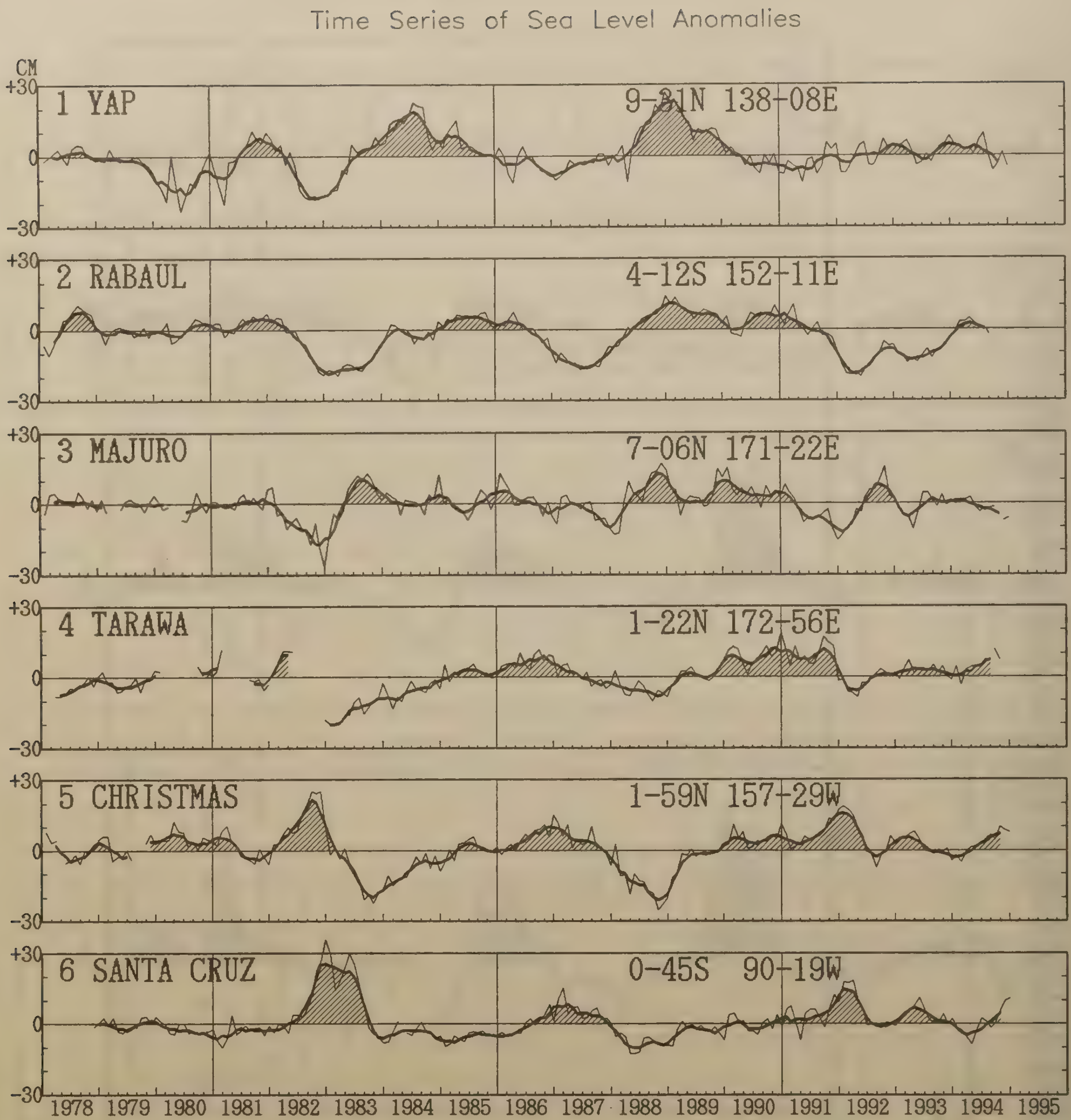
第１表（ｂ）エルニーニョ監視指数（続き）
Table 1 (b) El Niño monitoring indices (continued).
Data sources are the Long-range Forecast Division of JMA for the atmospheric conditions.

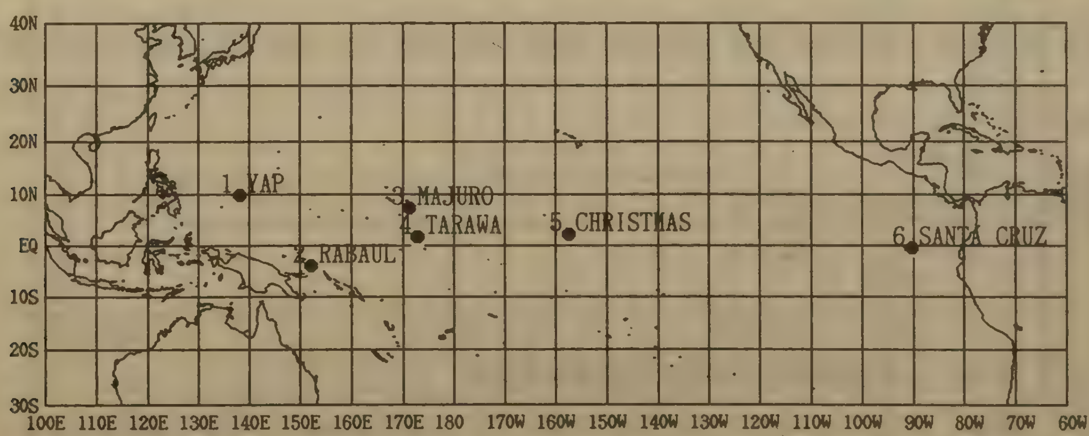
Time Series of Equatorial Pacific SST Anomalies




第1図　太平洋赤道域の海面水温偏差時系列図

Fig.1 Time series of monthly mean SST anomalies in the equatorial Pacific Ocean for the areas indicated at the bottom.
Thin lines show the monthly means and thick lines their 5-month running means. Positve anomalies (A, B, C) and negative anomalies (D) are shaded. Anomalies are computed from the JMA climatology (1961-90).

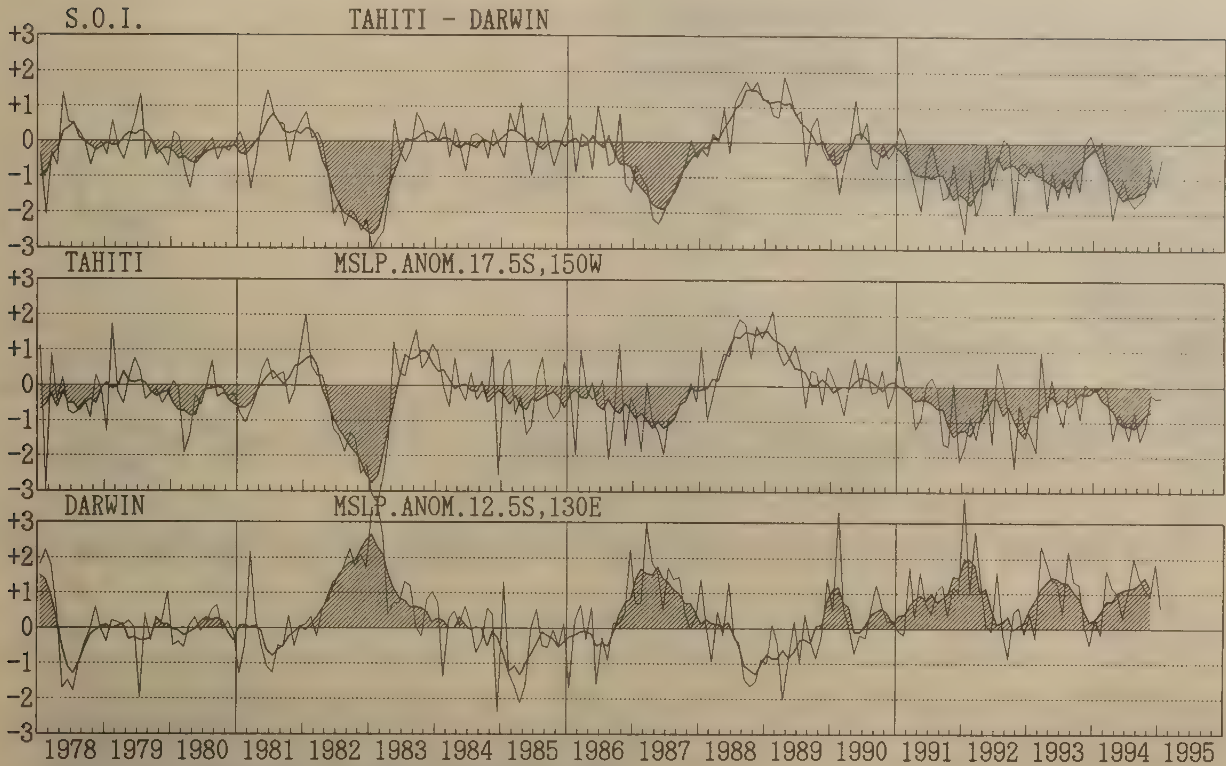



第2図　太平洋月平均海面水位偏差時系列図

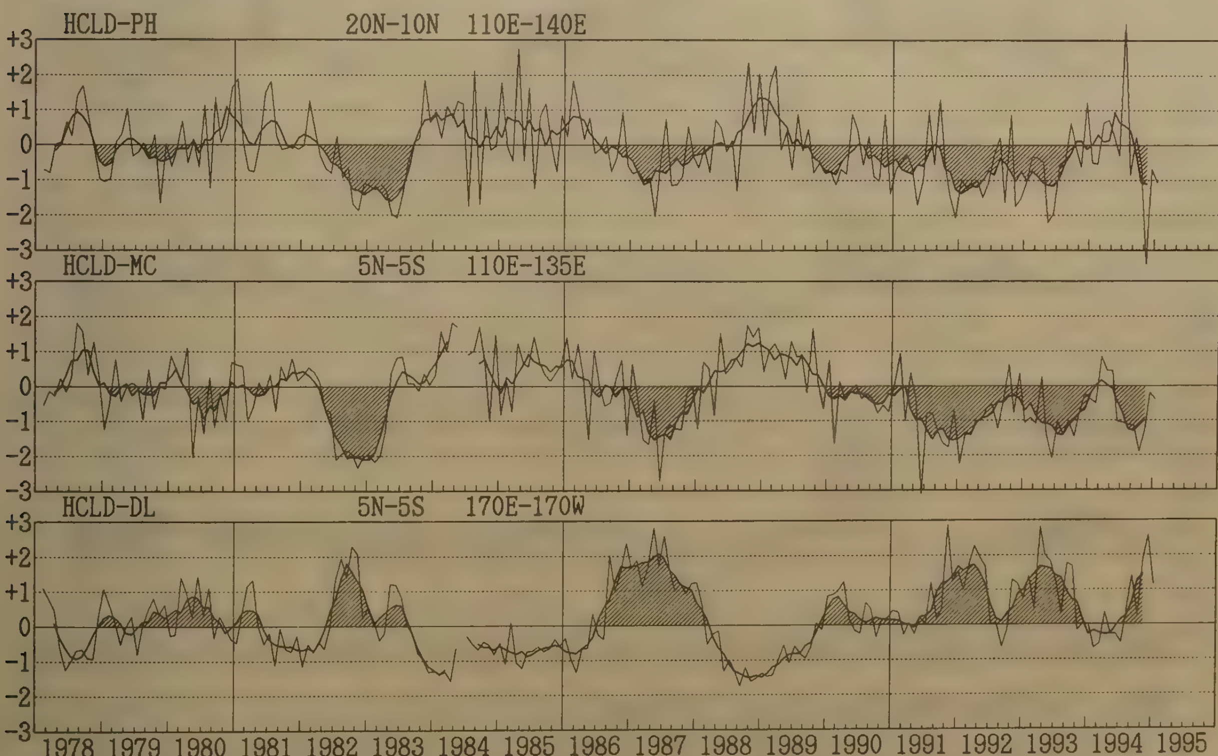
Fig.2 Time series of sea level anomalies computed from 1976–1990 monthly mean values obtained from the stations indicated at the bottom. Thin lines show the monthly mean and thick lines their 5-month running means. Positive anomalies are shaded.

Time Series of SOI and High-Cloud Amount Index




第3図　南方振動指数及び海面気圧偏差時系列図

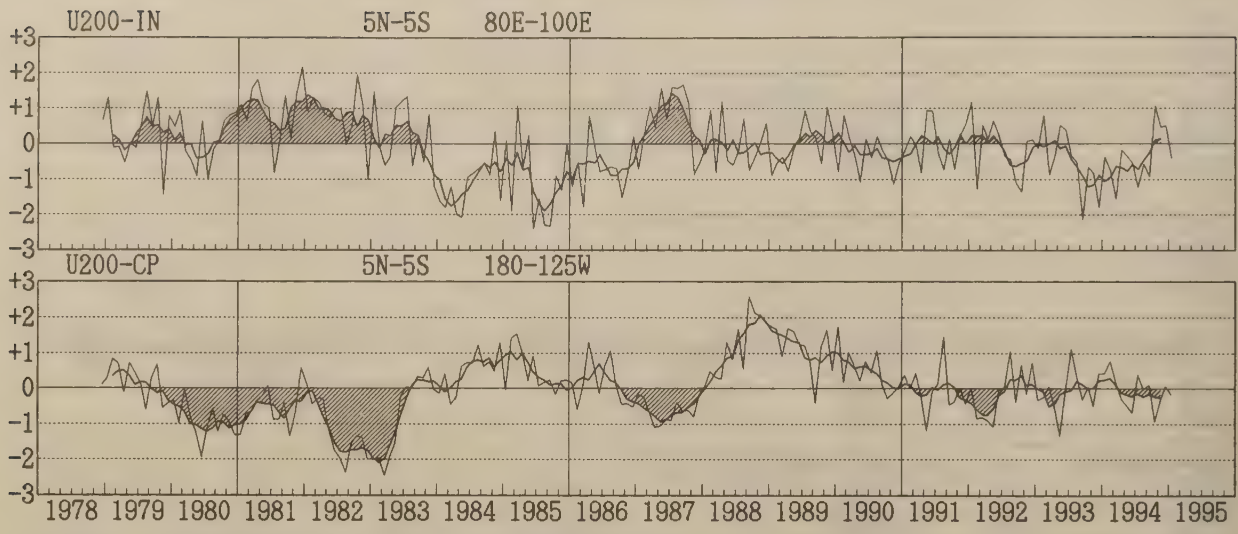
Fig.3 Time series of the Southern Oscilation Index (top) and monthly mean sea level pressure standardized anomalies at Tahiti (middle) and Darwin (bottom). Thin lines show the monthly mean and thick lines their 5-month running means. Negative anomalies (top, middle) and posotive anomalies (bottom) are shaded. Normals and standard deviations are computed from 1961-1990 base periods. Data sources are the Long-range Forecast Division of JMA.




第4図　月平均上層雲量指数時系列図

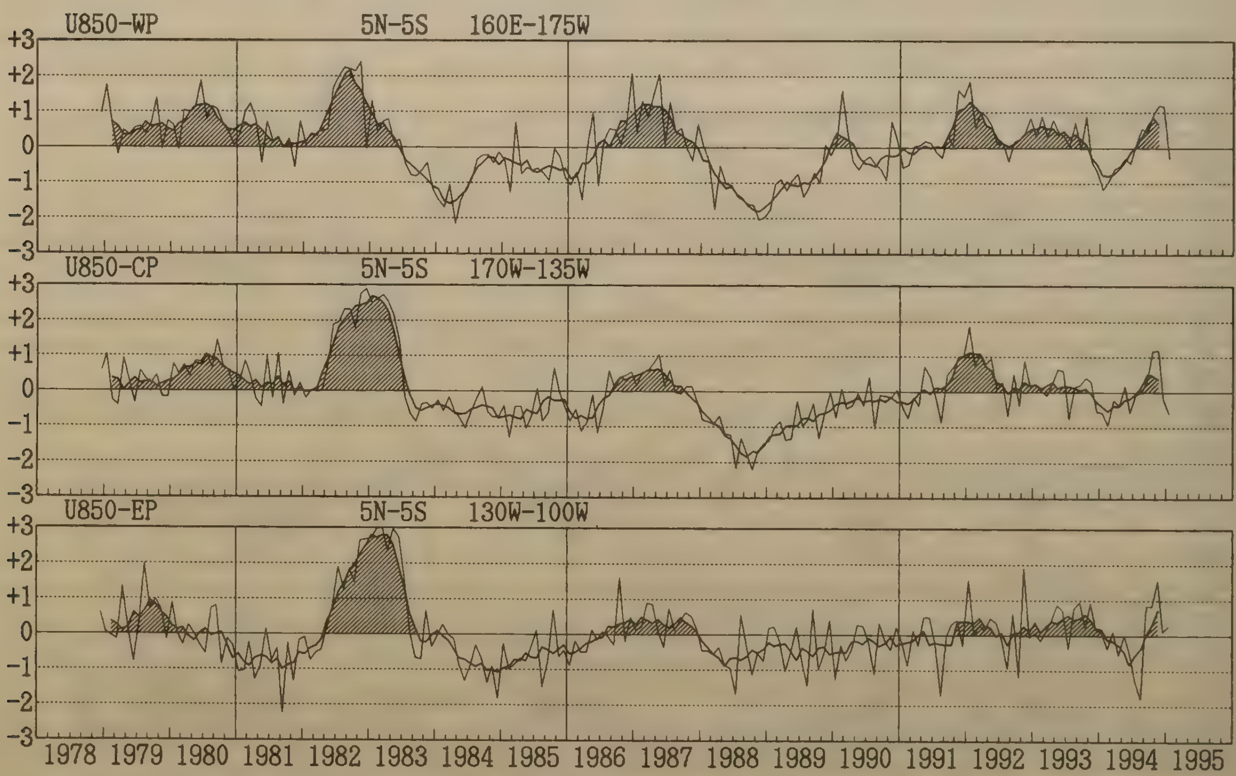
Fig.4 Time series of high-cloud amount index averaged over the area 20° N-10° N, 110° E-140° E (top), 5° N-5° S, 110° E-135° E (middle), and 5° N-5° S, 170° E-170° W (bottom). Thin lines show the monthly mean and thick lines their 5-month running means. Negative anomalies (top, middle) and positive anomalies (bottom) are shaded. Normals and standard deviations are computed from 1979-1990 base periods. Data sources are the Long-range Forecast Division of JMA.

Time Series of Zonal Wind Index




**第5図-1　赤道域東西風指数(200ｈＰａ)時系列図**

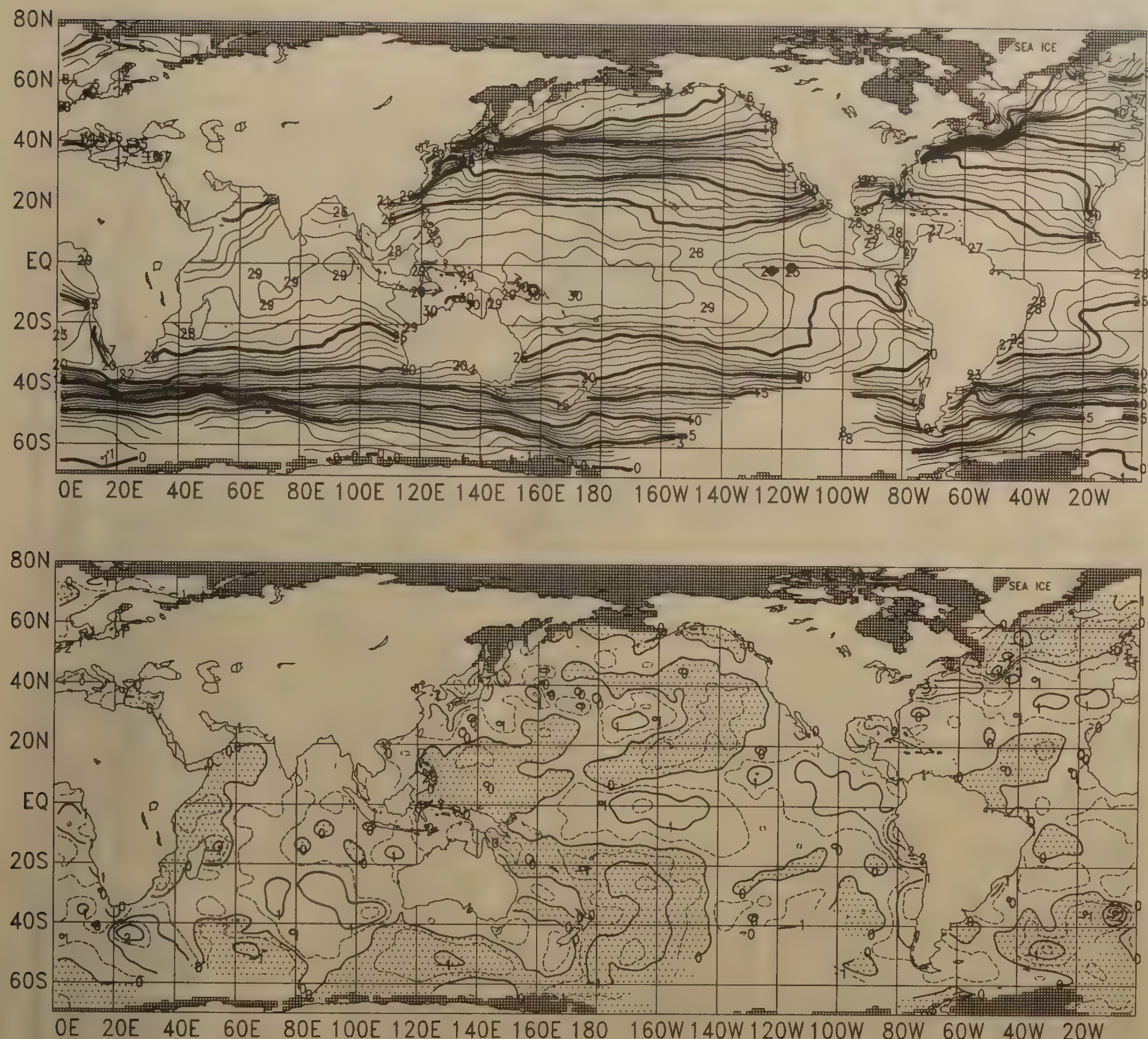
Fig.5-1 Time series of 200hPa zonal wind index averaged over the areas of 5°N-5°S, 80°E-100°E (top), and 5°N-5°S, 180°-125°W (bottom).
Thin lines show the monthly mean and thick lines their 5-month running means.
Positive anomalies (top) and negative anomalies (bottom) are shaded.
Normals and standard deviations are computed from 1979-1990 base periods.
Data sources are the Long-range Forecast Division of JMA.




**第5図-2　赤道域東西風指数(850ｈＰａ)時系列図**

Fig.5-2 Time series of 850hPa zonal wind index averaged over the areas of 5°N-5°S, 160°E-175°W (top), 5°N-5°S, 170°W-135°W (middle), and 5°N-5°S, 130°W-100°W (bottom). Thin lines show the monthly mean and thick lines their 5-month running means. Positive anomalies are shaded.
Normals and standard deviations are computed from 1979-1990 base periods.
Data sources are the Long-range Forecast Division of JMA.

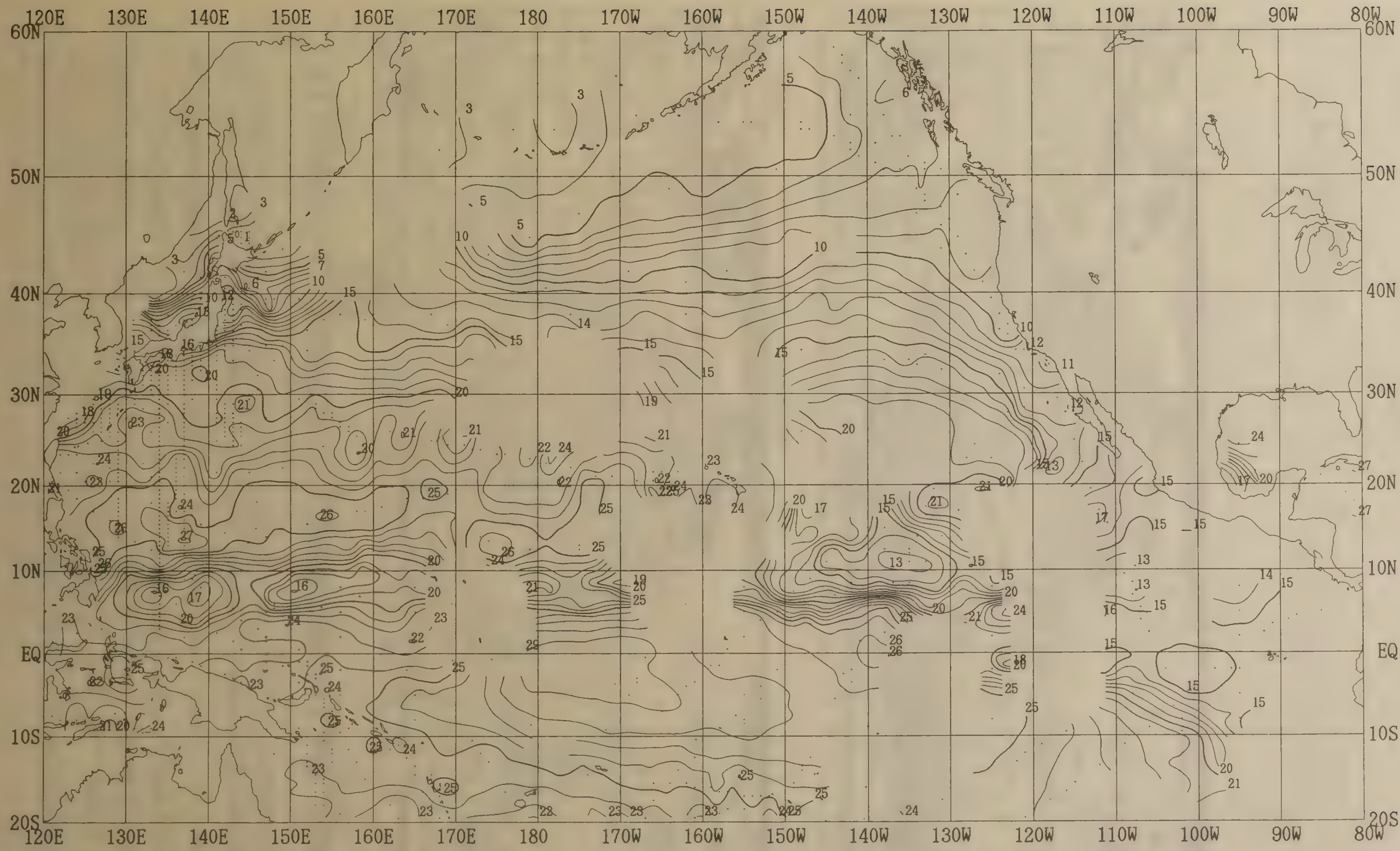
SST & Anomalies in the Global Ocean




第6図　全球月平均海面水温図（上）及び偏差図（下）（1995年 1月）

Fig.6 Monthly mean sea surface temperature over the global ocean (top) and anomalies (bottom) for JAN 1995. Anomalies are computed from the JMA climatology (1961–1990) (Marine Department of JMA, 1991, Climatic charts of sea surface temperatures of the western North Pacific and the global ocean). Contour interval is 1°C (top) and additional anomaly contours of ±0.5°C are shown as broken lines. Negative anomalies are spotted. Maximum coverage of sea ice is shaded. Data sources for sea ice are U.S. National Ice Center (polar regions) and JMA (the Sea of Okhotsk).

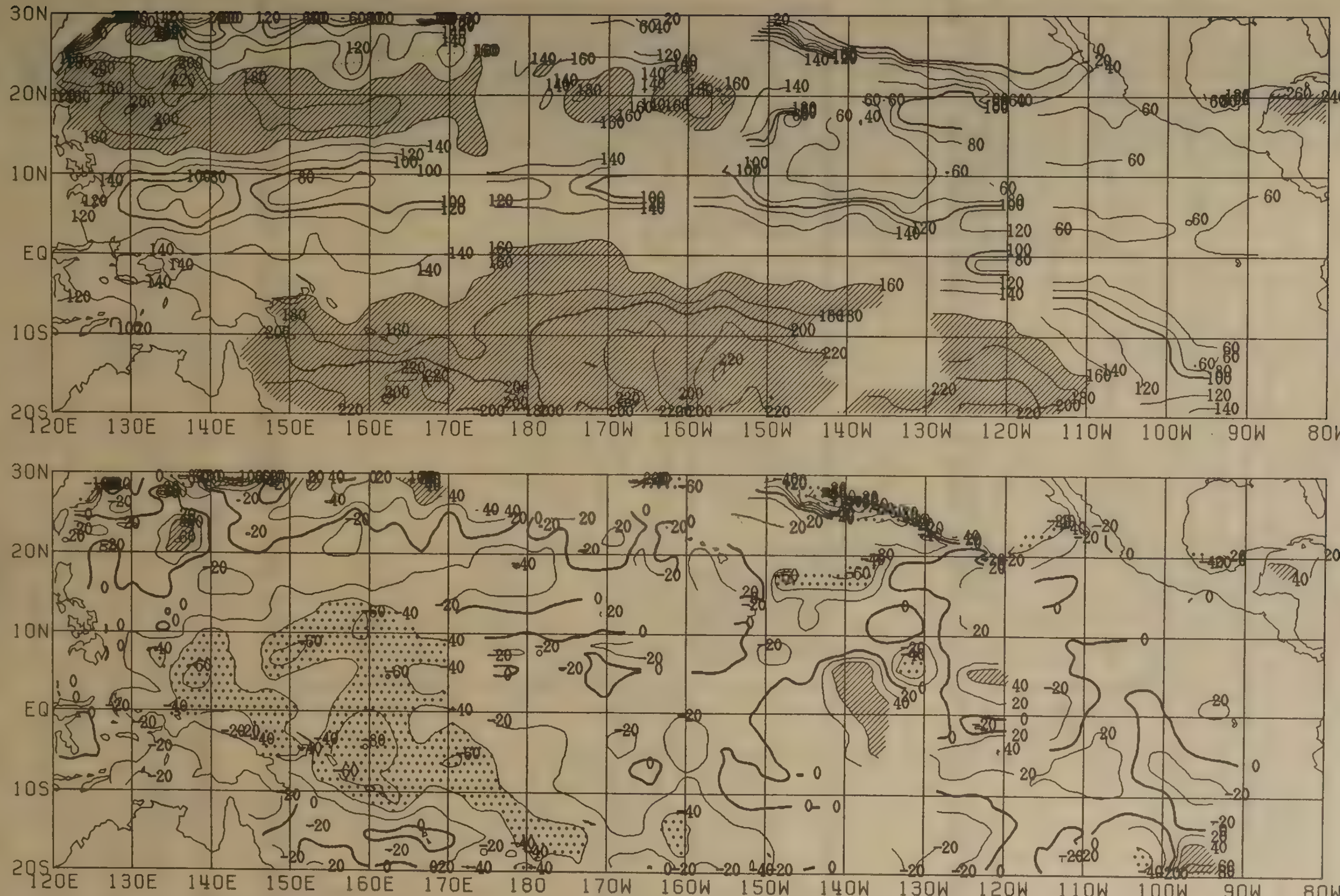
100m Temperature in the Pacific Ocean




第7図　太平洋表層水温(深さ100 m)図 (1995年 1月)

Fig.7　Subsurface (100m) temperatures in the Pacific Ocean for JAN 1995
Observation points are denoted by dots.

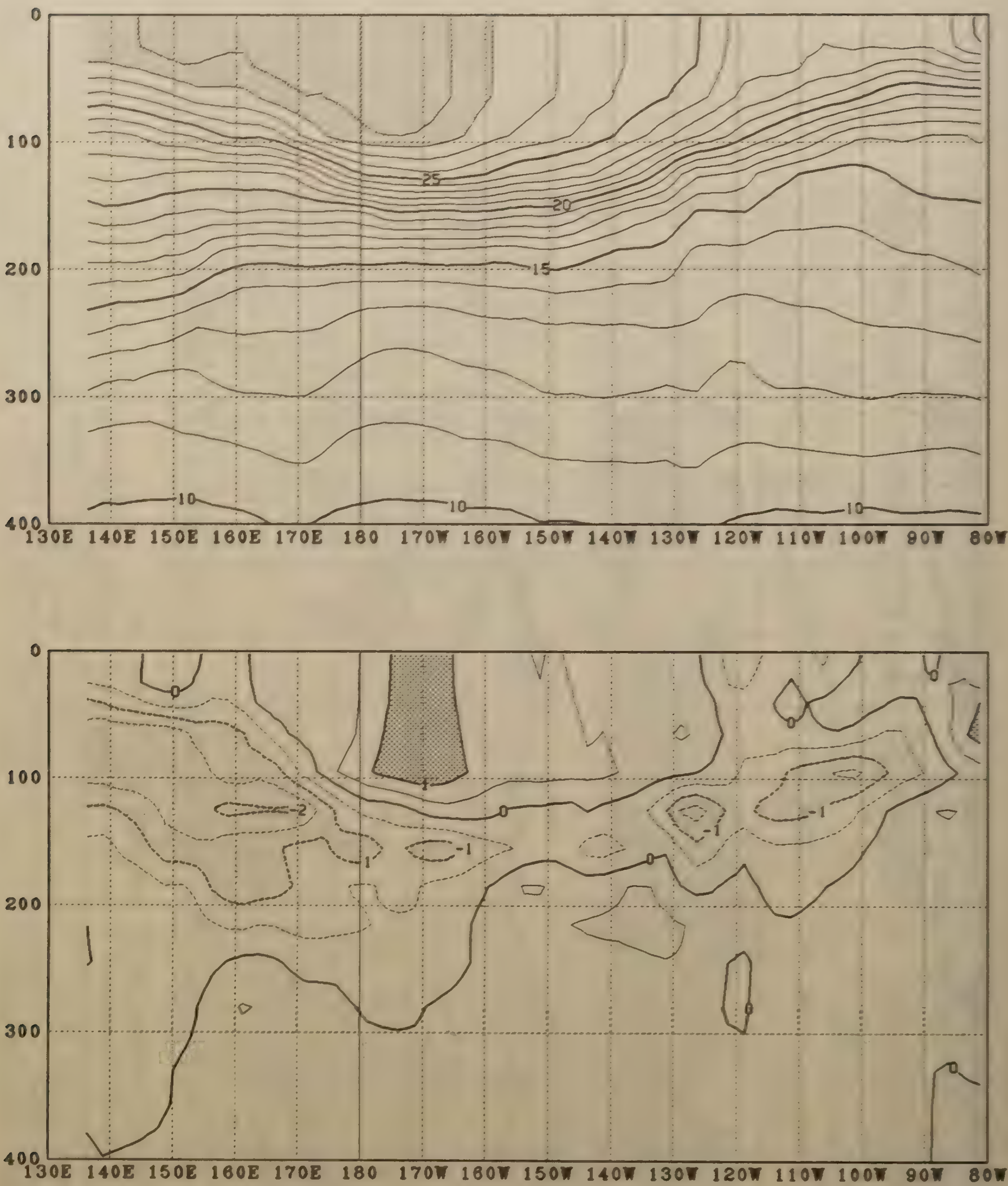
Depth of 20° C & Anomalies in the Pacific Ocean




第8図　太平洋表層水温（20℃深度）図（上）及び偏差図（下）（1995年 1月）

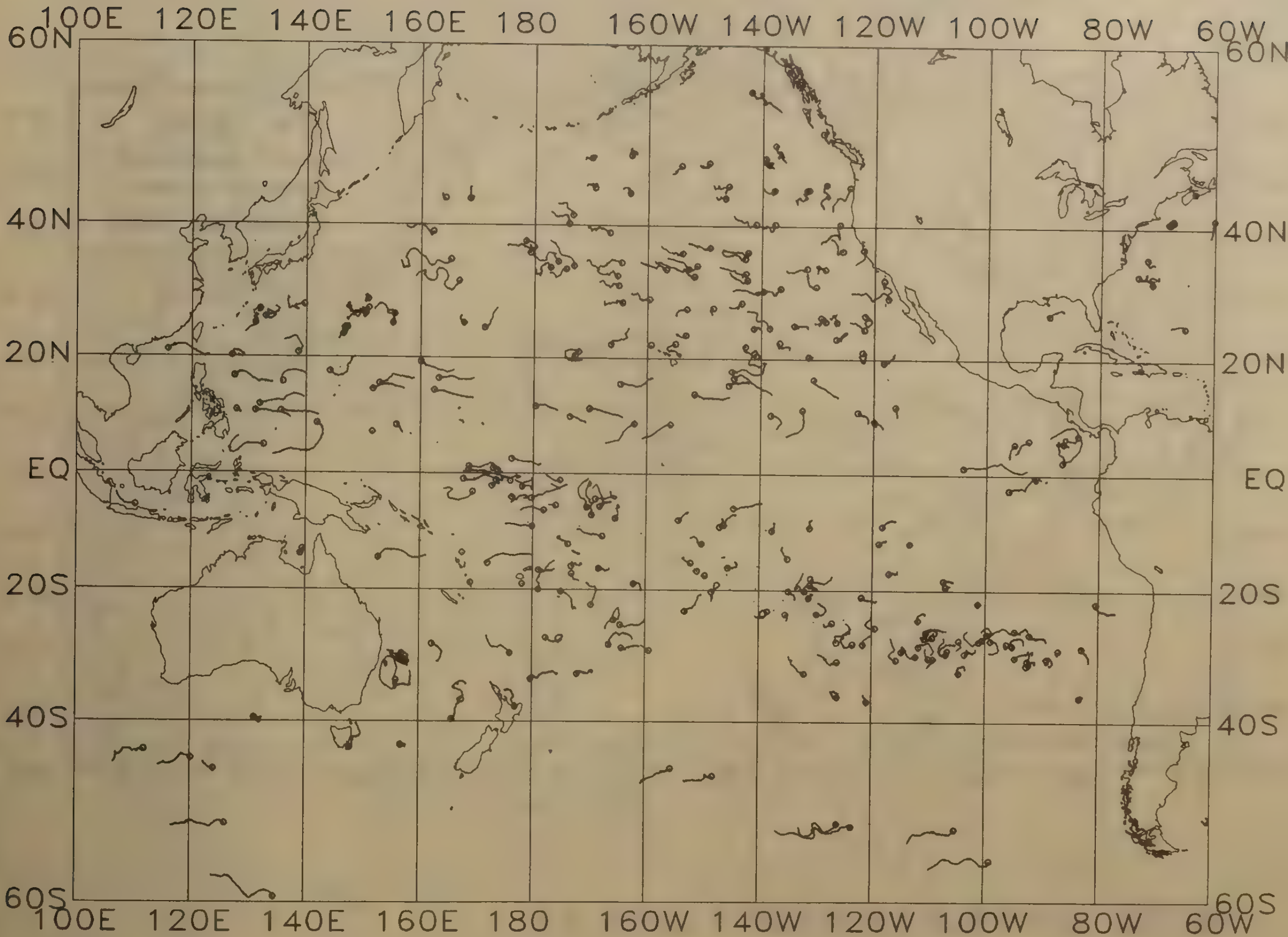
Fig.8 Depth of the 20° C isotherm in the Pacific Ocean (top) and anomalies (bottom) for JAN 1995. Anomalies are computed from the climatology (Levitus, 1982, Climatological Atlas of the World Ocean, NOAA). Contour interval is 20m. Values greater than 160m in top panel are shaded. In bottom panel values greater than +40m are shaded and values less than −40m are spotted.

Depth−Longitude Section of Equatorial Temperature & Anomalies



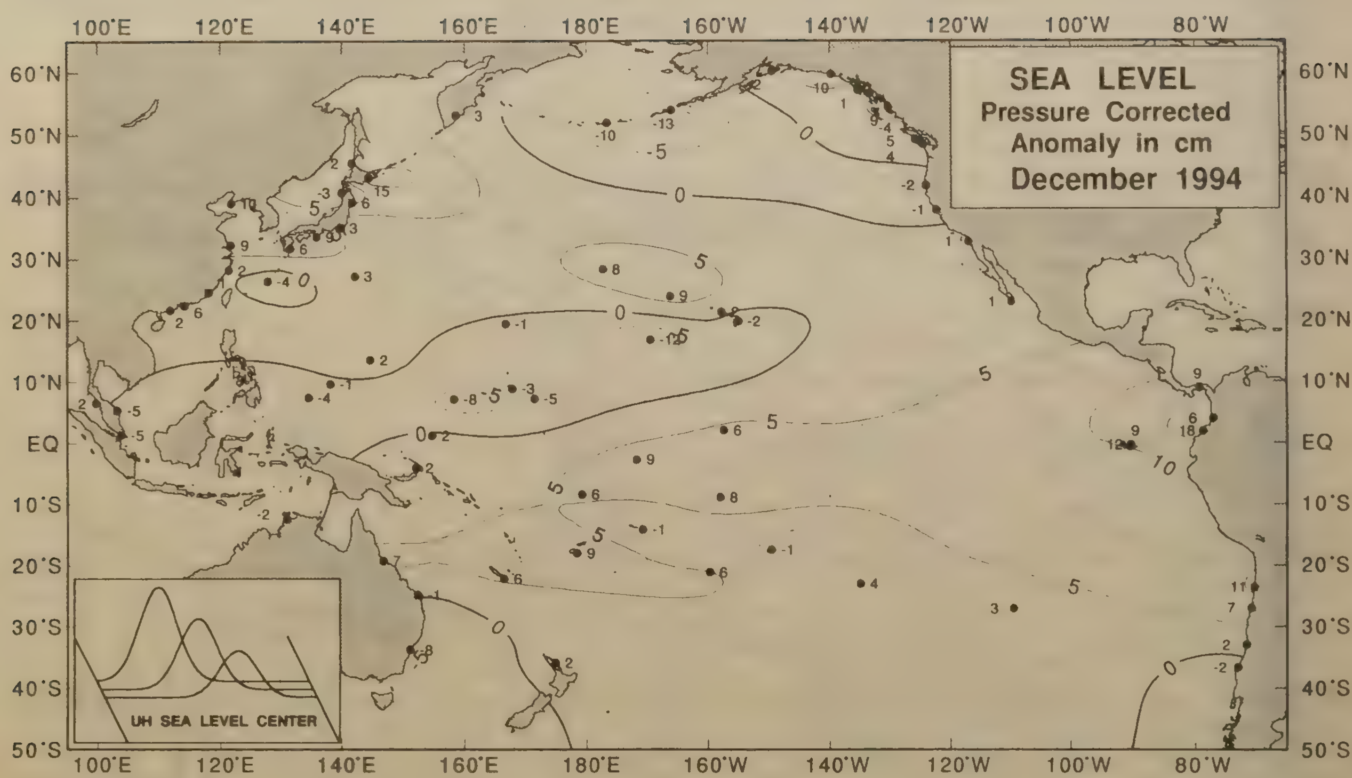

第9図　太平洋赤道に沿う表層水温断面図（上）及び偏差図（下）（1995年 1月）

Fig.9　Depth−longitude sections of temperature (top) and anomalies (bottom) along the equator in the Pacific Ocean for JAN 1995. Data are derived from the Ocean Data Assimilation System of JMA. Contour interval is 1° C (top) and 0.5° C (bottom). Values greater than 28° C in top panel are shaded. In bottom panel values greater than 1° C are shaded and values less than −1° C are spotted. Anomalies are computed from 1987−1994 base period means.



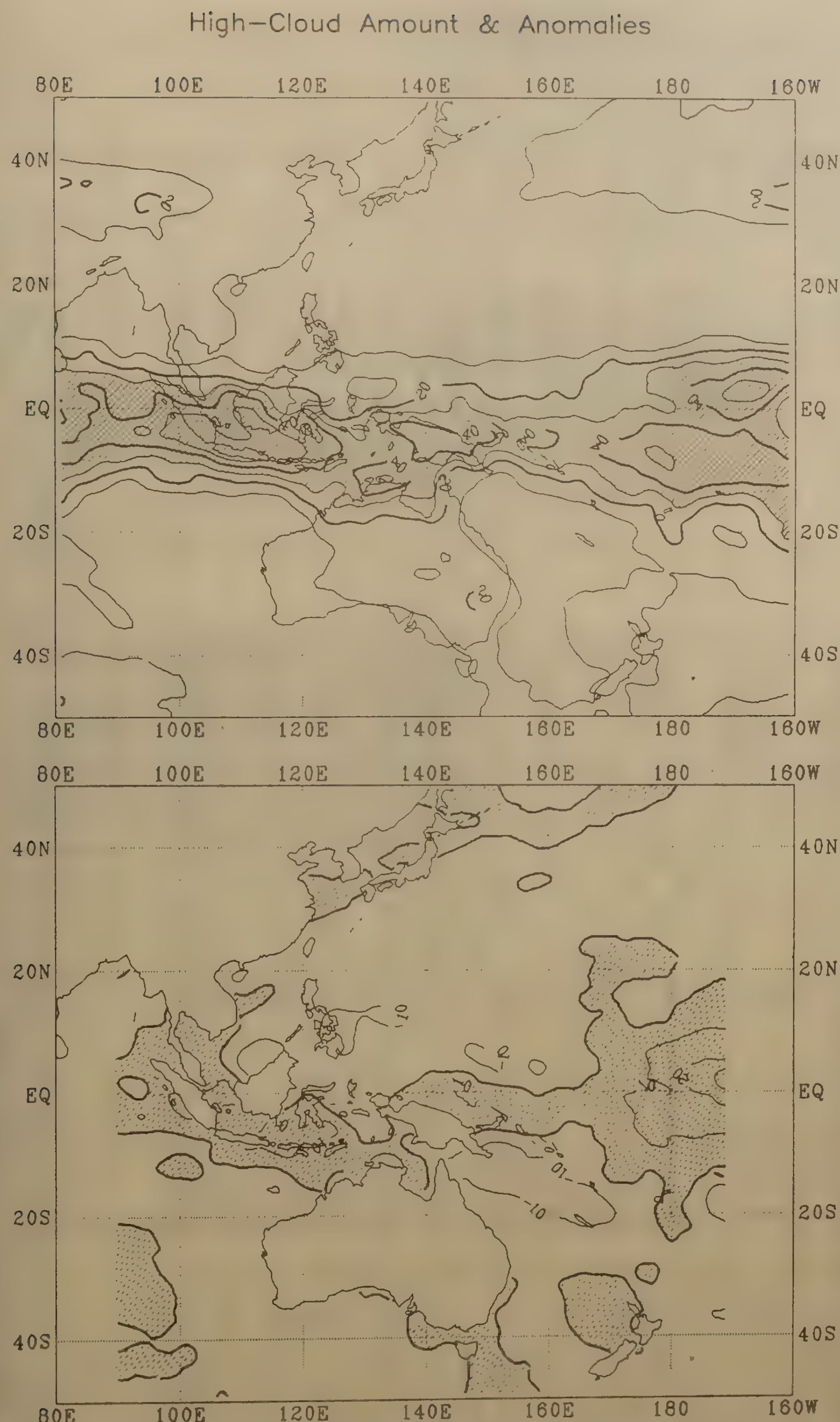

第10図　太平洋ブイ流跡図( 1995年 1月 )

Fig.10 Movements of drifting buoys in the Pacific Ocean during JAN 1995. Each track is for one buoy. Small circles represent last positions for the month.



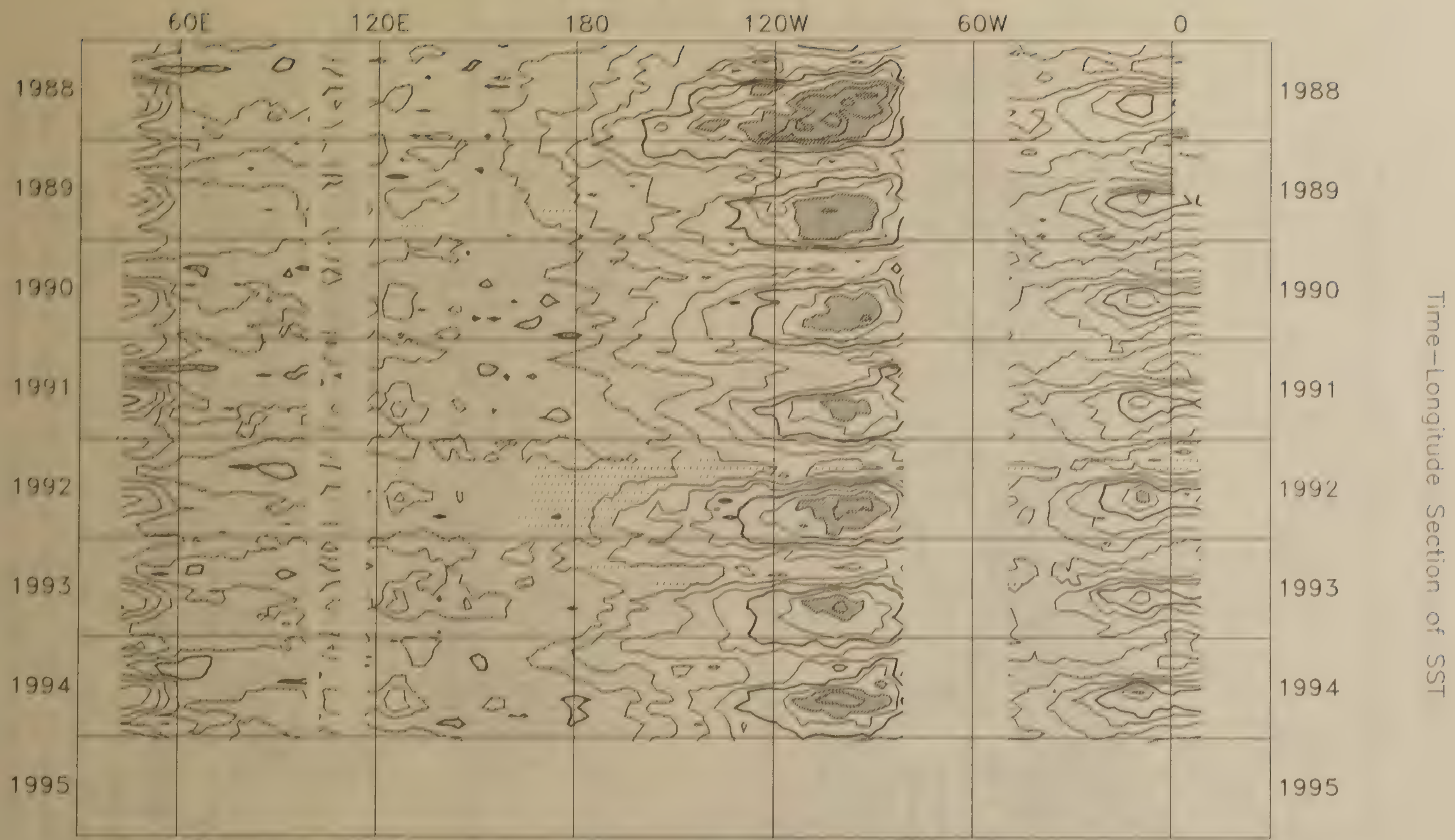

第11図　太平洋海面水位偏差図（ 1994年12月 ）

Fig.11　Monthly sea level anomalies for DEC 1994 obtained from mean sea level (1975–1986) adjusted for atmospheric pressure.
This figure is prepared by the SOC of ISLP–PAC, Dept. of Oceanography, Univ. of Hawaii.



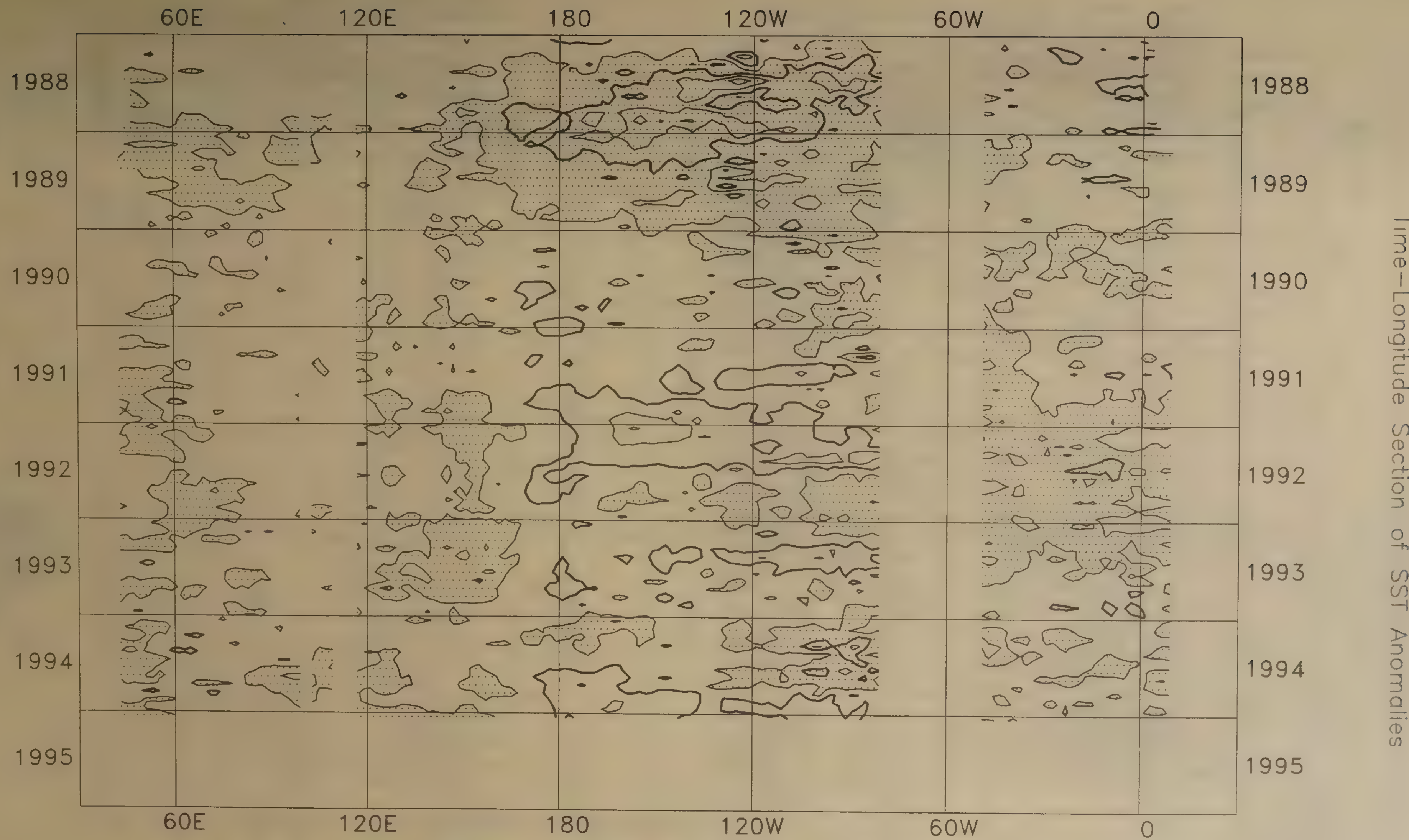

**第12図　西太平洋月平均上層雲量分布図及び偏差図（1995年 1月）**

Fig.12 Monthly mean of the high−cloud amount (%, top) and its anomalies (%, bottom) in the western Pacific for JAN 1995. Contour interval is 10%. Areas above 30% are shaded (top) and positive anomalies are stippled (bottom). Anomalies are computed from 1978−1990 base period means. Figures are prepared by the Long−range Forecast Division of JMA.



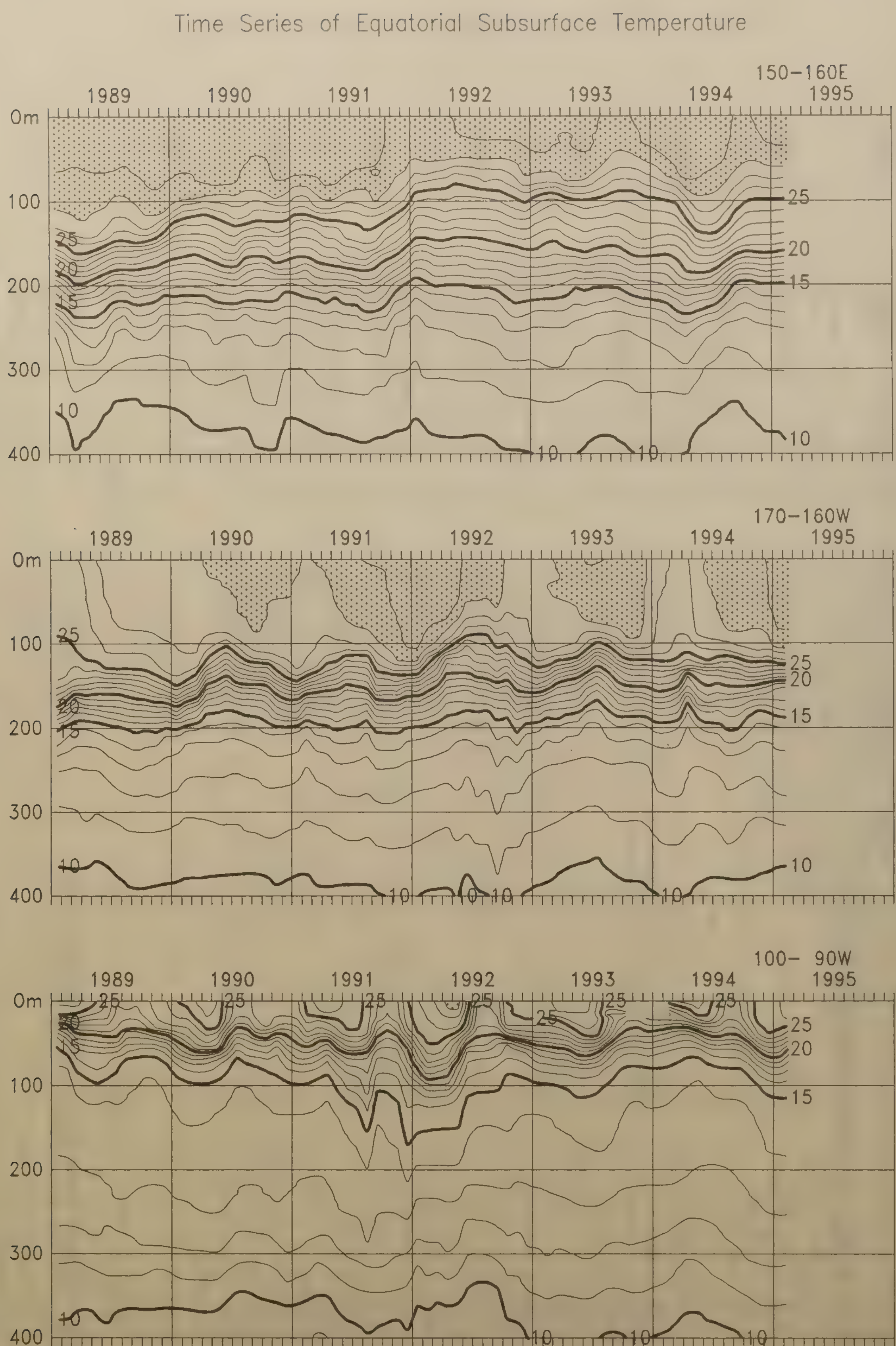

第13図　赤道に沿う海面水温時系列図

Fig.13 Time-longitude section of SSTs along the equator (2° N–2° S) in the global ocean. Contour interval is 1° C, with thick contour lines at 25 and 30° C. SST values greater than 28° C are spotted and values less than 23° C are shaded.




**第14図　赤道に沿う海面水温偏差時系列図**

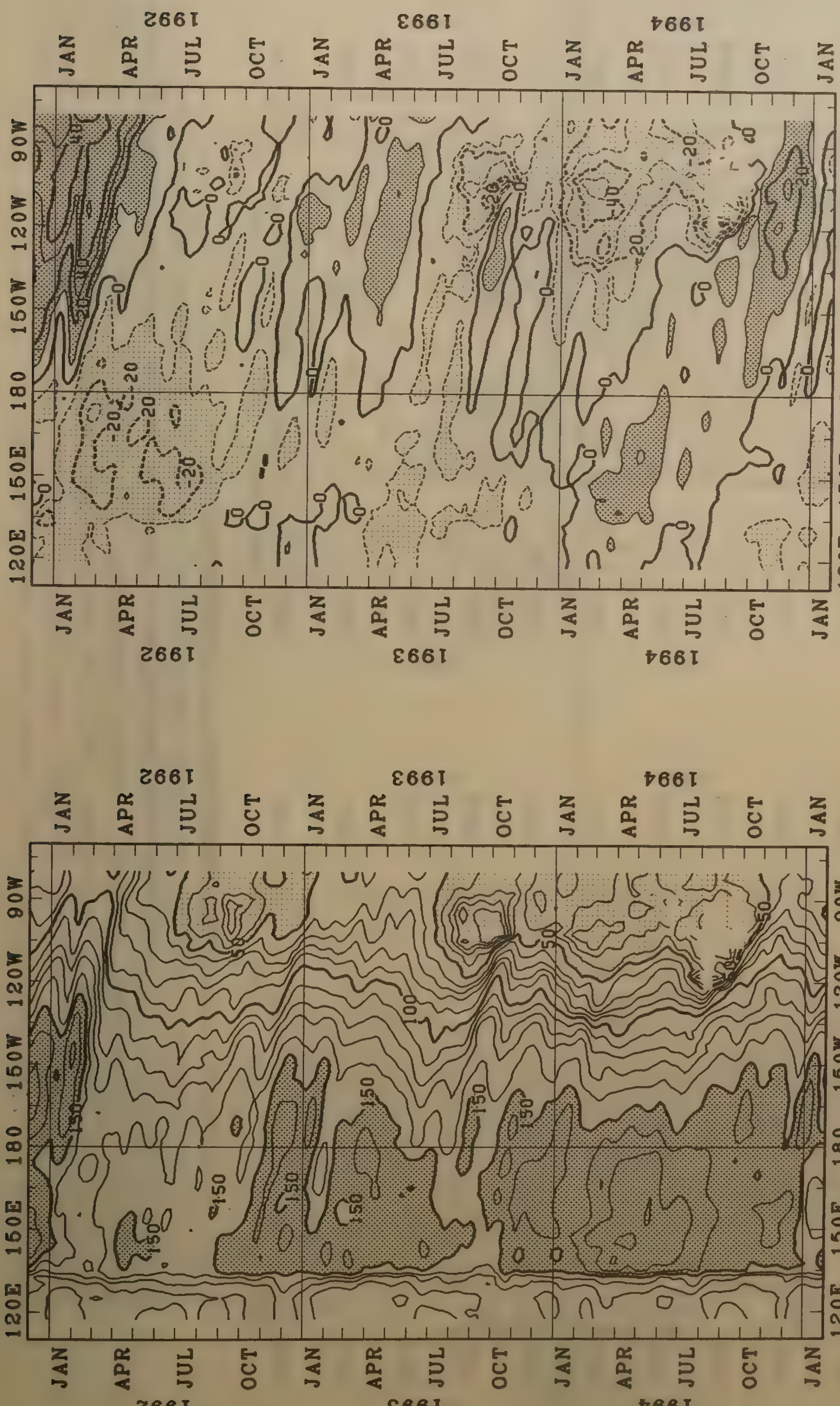
Fig.14 Time-longitude section of SST anomalies along the equator (2° N-2° ) computed from the JMA climatology (1961-1990). Contour interval is 1° C, with thick contour lines at +1° C and -1° C. Negative anomalies are spotted.




第15図　赤道太平洋表層水温時系列図（上：西部、中：中部、下：東部）

Fig.15 Time series of equatorial (2° N–2° S) subsurface temperature for the western Pacific (top, 150–160° E), the central Pacific (middle, 170–160° W) and the eastern Pacific (bottom, 100–90° W). Contour interval is 1° C. Values greater than 28° C are shaded.

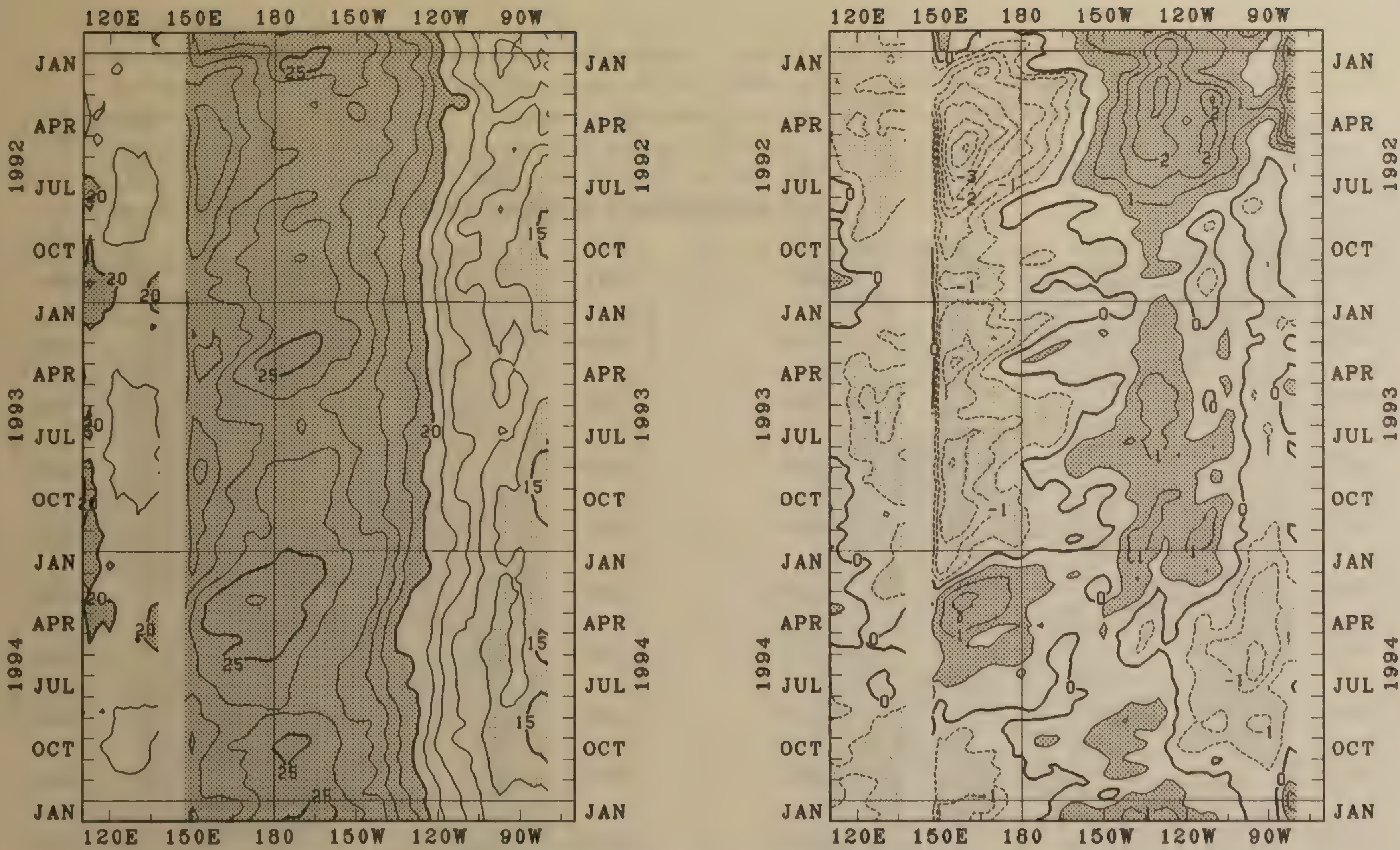
Time—Longitude Section of Depth of 20° C & Anomalies




第16図　太平洋の赤道に沿う20℃深度時系列図（左）及び偏差時系列図（右）

Fig.16 Time—longitude sections of depth of the 20° C isotherm along the equator (left) and anomalies (right) in the Pacific Ocean. Data are derived from the Ocean Data Assimilation System of JMA. Contour interval is 10m. Values in left panel greater than 150m are shaded and values less than 50m are spotted. Dashed contours in right panel indicate negative anomalies. Anomalies are computed from 1987—1994 base period means.

Time−Longitude Section of Ocean Heat Content & Anomalies (6° N)



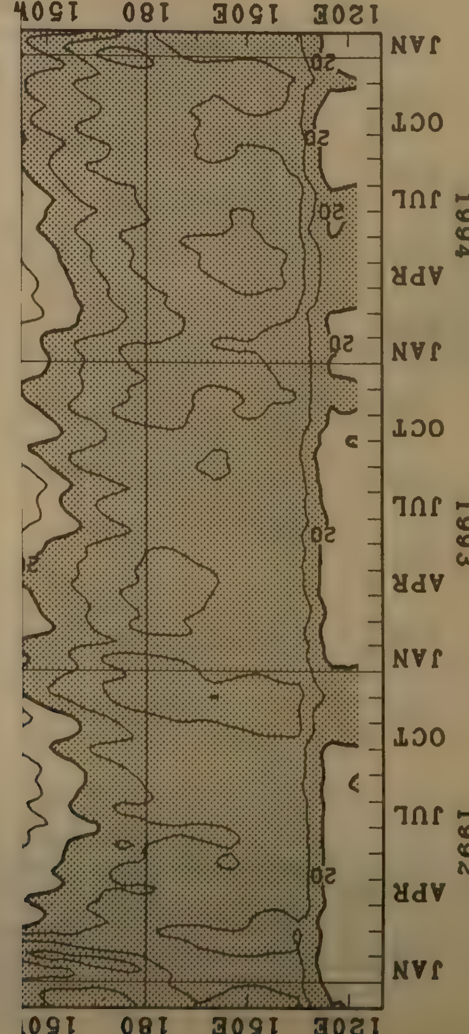

第17図　太平洋の北緯6度線に沿う海洋表層の貯熱量時系列図（左）及び偏差時系列図（右）

Fig.17 Time−longitude sections of ocean heat content in the upper 260m along 6° N (left) and anomalies (right) in the Pacific Ocean. Data are derived from an Ocean Data Assimilation System of JMA. Contour interval is 1° C (left) and 0.5° C (right). Values in the left panel greater than 20° C are shaded and values less than 16° C are spotted. Dashed contours in right panel indicate negative anomalies. Anomalies are computed from 1987−1994 base period means.

第18図　太平洋の赤道に沿う海洋表層の貯熱量時系列図（左）及び偏差時系列図（右）

Fig.18 Time−longitude sections of ocean heat content in the upper 260m along the equator (left) and anomalies (right) in the Pacific Ocean. Data are derived from the Ocean Data Assimilation System of JMA. Contour interval is 1° C (left) and 0.5° C (right). Values in the left panel greater than 20° C are shaded and values less than 16° C are spotted. Dashed contours in right panel indicate negative anomalies. Anomalies are computed from 1987−1994 base period means.

120E 150E 180 150W 120W 90W




## 訂正

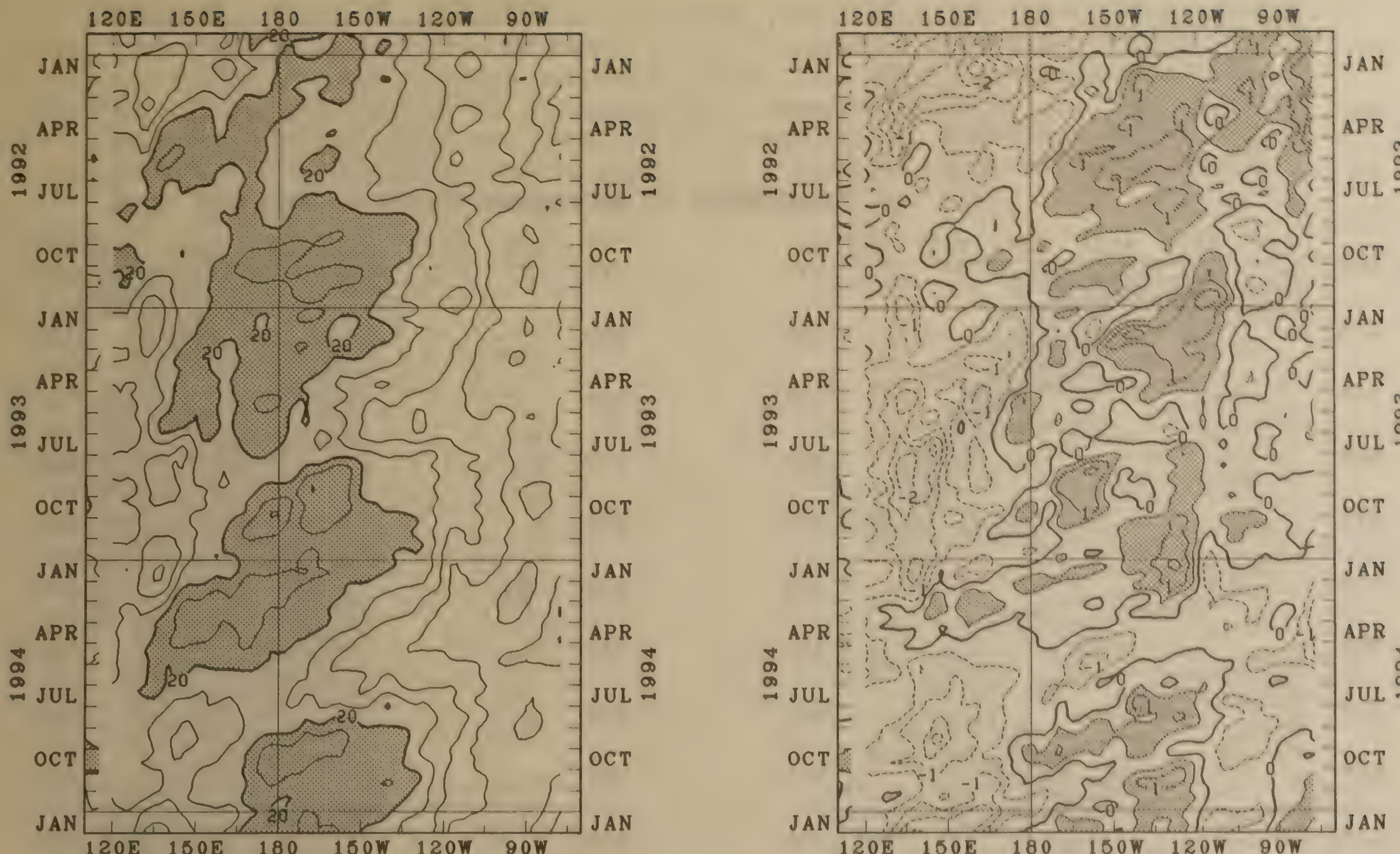
気象庁海洋月報　January　1995（NO.25）のP.18の第17図とP.20の第19図の内容が反対になっていましたので、以下の通り訂正をお願い致します。

・P.18の第17図の図版をP.20の第19図の図版と入れ替え（図のみ）。

## Correction

Please exchange two charts on page 18 for two ones on page 20 in Monthly Ocean Report, January 1995 (No.25).

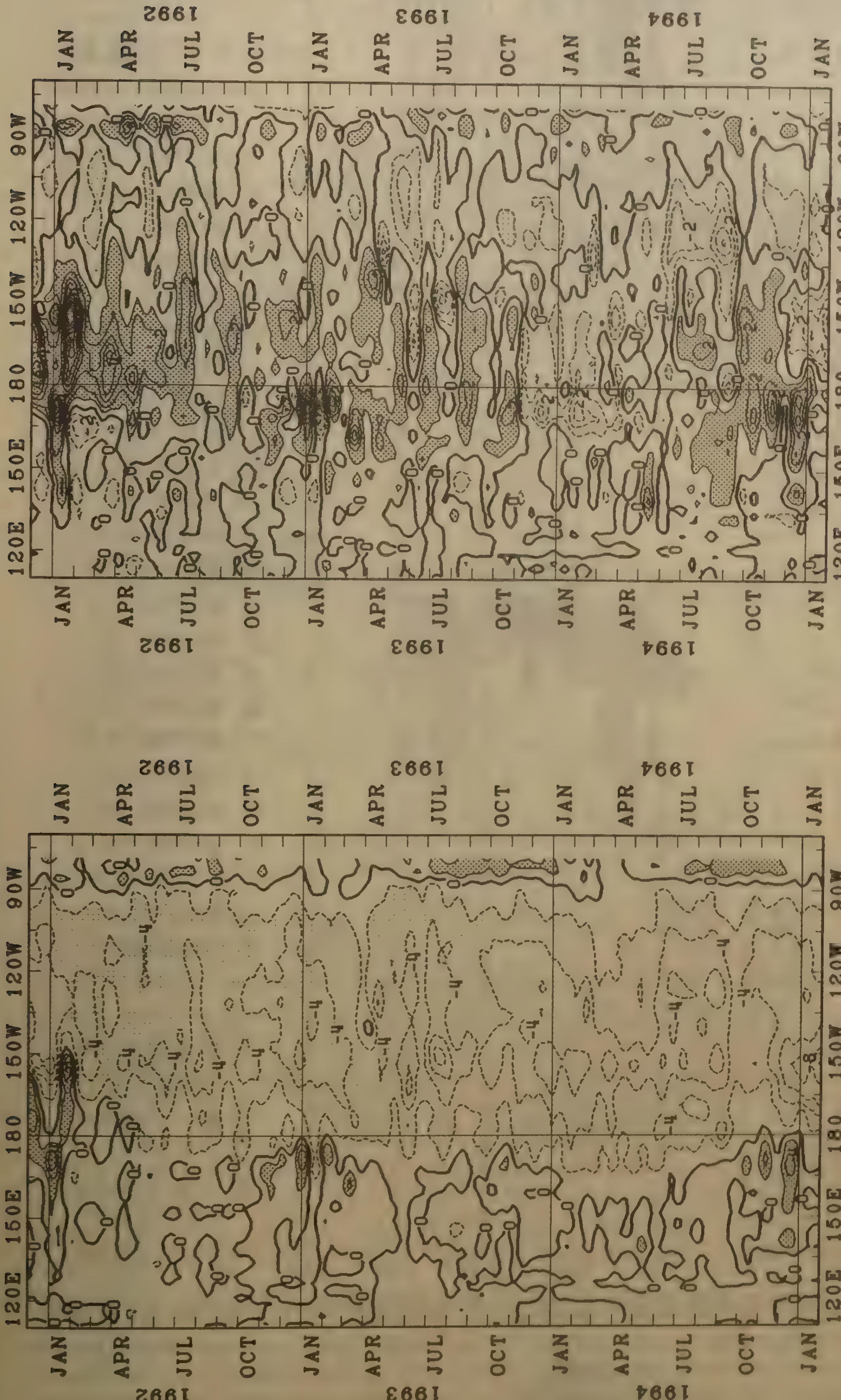
Time-Longitude Section of Ocean Heat Content & Anomalies (6°S)




第19図　太平洋の南緯6度線に沿う海洋表層の貯熱量時系列図（左）及び偏差時系列図（右）

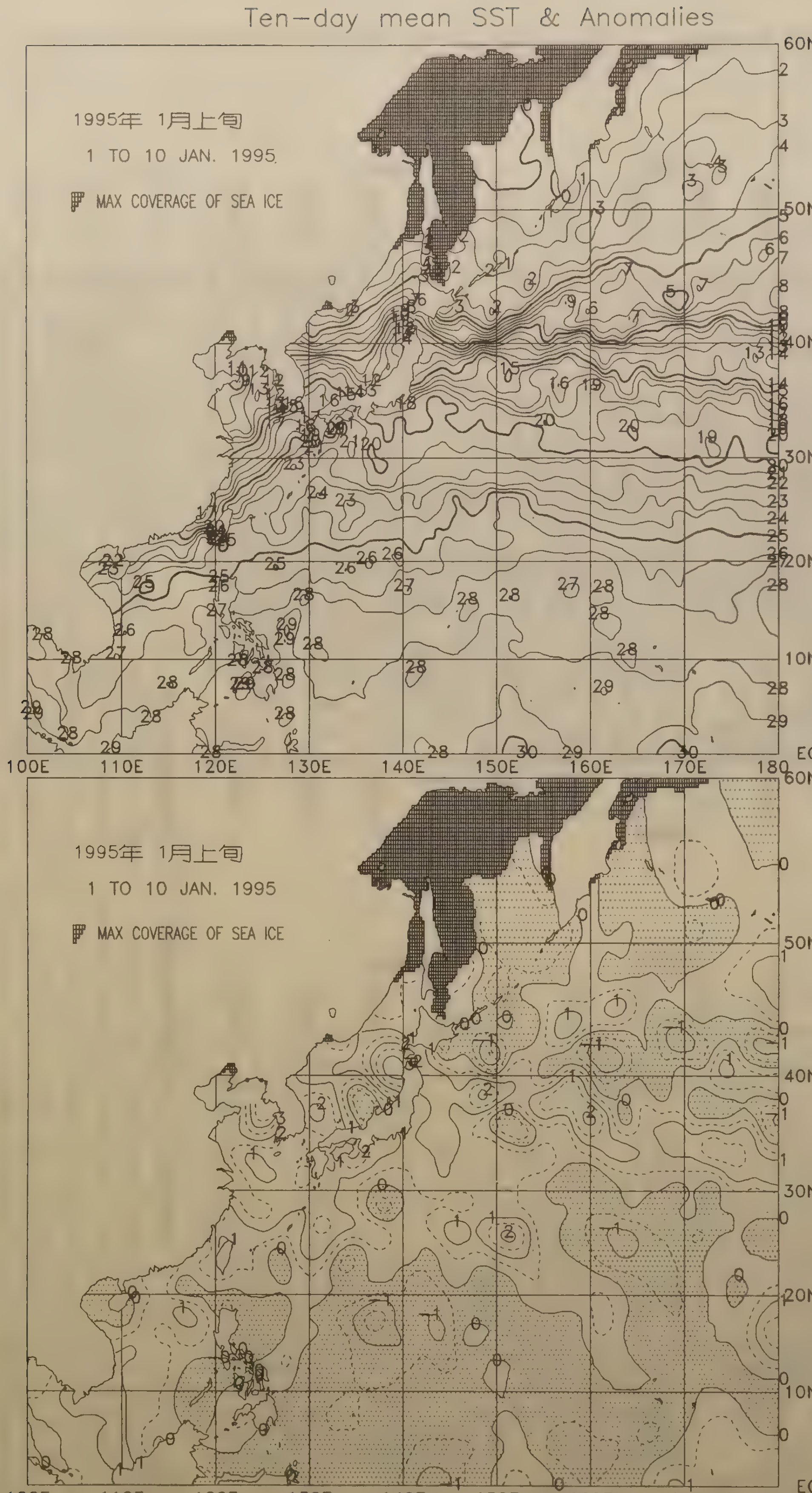
Fig.19 Time-longitude sections of ocean heat content in the upper 260m along 6° S (left) and anomalies (right) in the Pacific Ocean. Data are derived from the Ocean Data Assimilation System of JMA. Contour interval is 1° C (left) and 0.5° C (right). Values in the left panel greater than 20° C are shaded and values less than 16° C are spotted. Dashed contours in right panel indicate negative anomalies. Anomalies are computed from 1987-1994 base period means.

Time–Longitude Section of Surface Zonal Wind Stress & Anomalies




第20図　太平洋の赤道に沿う海面の風応力の東西成分時系列図（左）及び偏差時系列図（右）

Fig.20 Time–longitude sections of surface zonal wind stress along the equator (left) and anomalies (right) in the Pacific Ocean. Data are derived from the Atmospheric Global Data Assimilation System of JMA. Contour interval is 0.02N/m2 (left) and 0.01N/m2 (right). Dashed contours indicate easterlies (left) and easterly anomalies (right). Anomalies are computed from 1987–1994 base period means.




旬平均沿岸水温(℃)
Coastal Water Temperature

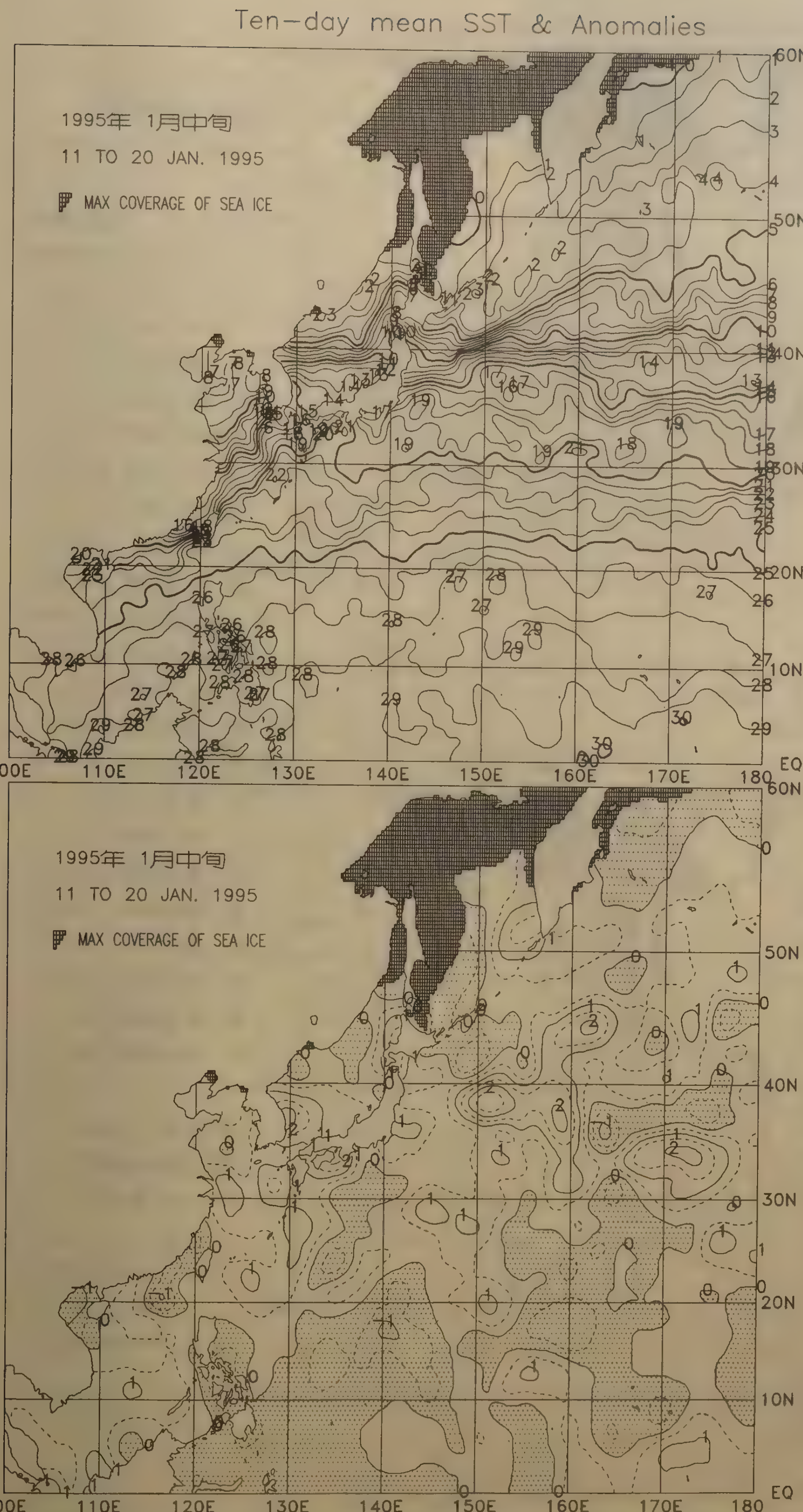
| 地点名 (Index Number) | 水温 Temp. | 偏差 Anom. |
|---|---|---|
| 石垣島(47918) | 22.6 | +1.9 |
| 那　覇(47936) | 21.9 | +0.4 |
| 名　瀬(47909) | - | - |
| 足摺岬(47898) | 18.6 | +1.7 |
| 潮　岬(47778) | 19.0 | - |
| 御前崎(47655) | 15.2 | +3.4 |
| 八丈島(47678) | 19.0 | +1.3 |
| 館　山(47672) | 16.6 | +1.7 |
| 小名浜(47598) | 12.7 | +1.3 |
| 宮　古(47585) | 11.4 | +1.6 |
| 浦　河(47426) | 4.1 | +1.1 |
| 紋　別(47435) | - | - |
| 稚　内(47401) | - | - |
| 寿　都(47421) | 7.1 | - |
| 江　差(47428) | 5.8 | - |
| 飛　島(47587) | 10.9 | 0.0 |
| 輪　島(47600) | 11.2 | +1.1 |
| 西　郷(47740) | 13.7 | - |
| 浜　田(47755) | 13.7 | - |
| 厳　原(47800) | 16.6 | - |
| 牛　深(47838) | 17.8 | - |

海洋気象ブイロボット
旬平均海面水温(℃)
Ocean Data Buoy SST

| 地点 | 位置 | 水温 |
|---|---|---|
| 日本海 | 37.9N,134.5E | 12.8 |
| 四国沖 | 29.0N,135.0E | 20.9 |
| 東シナ海 | 28.2N,126.3E | - |

第21図 北西太平洋旬平均海面水温図(上)及び偏差図(下)(1995年 1月上旬)

Fig.21 Ten-day mean SSTs in the western North Pacific (top) and anomalies (bottom) for the 1st ten-day period in JAN 1995. Anomalies are computed from the JMA climatology (1961-90). Contour interval is 1°C and additional anomaly contours of 0.5°C are shown as broken lines. Negative anomalies are spotted.




旬平均沿岸水温(℃)
Coastal Water Temperature

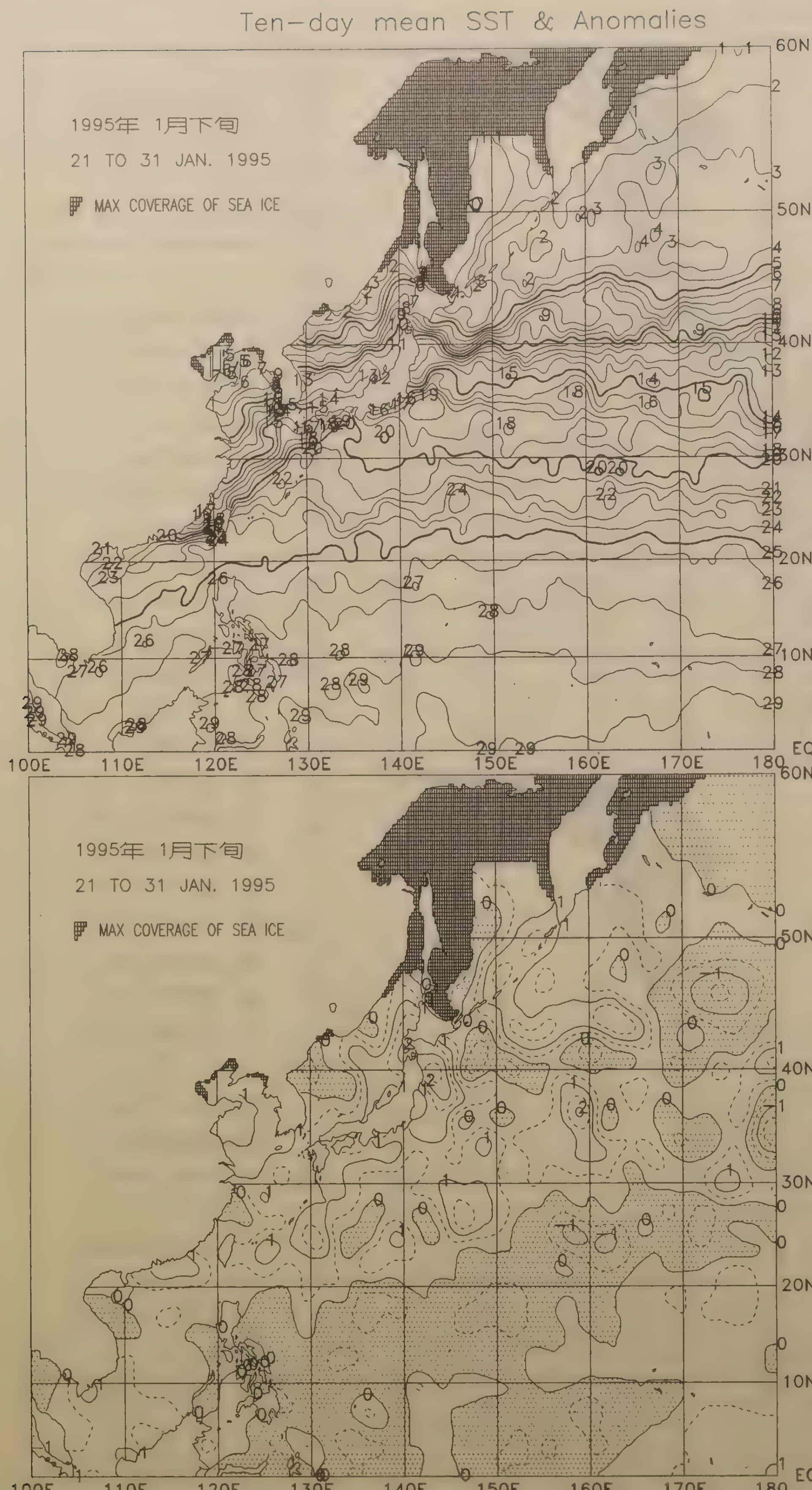
| 地点名 (Index Number) | 水温 Temp. | 偏差 Anom. |
|---|---|---|
| 石垣島(47918) | 22.5 | +2.1 |
| 那　覇(47936) | 21.4 | +0.5 |
| 名　瀬(47909) | - | - |
| 足摺岬(47898) | 17.8 | +1.8 |
| 潮　岬(47778) | 18.4 | - |
| 御前崎(47655) | 12.4 | +1.4 |
| 八丈島(47678) | 18.3 | +1.1 |
| 館　山(47672) | 15.7 | +1.5 |
| 小名浜(47598) | 11.8 | +1.1 |
| 宮　古(47585) | 10.7 | +1.7 |
| 浦　河(47426) | 3.3 | +1.5 |
| 紋　別(47435) | - | - |
| 稚　内(47401) | 0.3 | - |
| 寿　都(47421) | 5.3 | - |
| 江　差(47428) | 4.5 | - |
| 飛　島(47587) | 10.2 | +0.1 |
| 輪　島(47600) | 9.6 | +0.2 |
| 西　郷(47740) | 13.2 | - |
| 浜　田(47755) | 13.5 | - |
| 厳　原(47800) | 15.8 | - |
| 牛　深(47838) | 16.9 | - |

海洋気象ブイロボット
旬平均海面水温(℃)
Ocean Data Buoy SST

| | |
|---|---|
| 日本海 37.9N,134.5E | 11.7 |
| 四国沖 29.0N,135.0E | 21.2 |
| 東シナ海 28.2N,126.3E | - |

**第22図 北西太平洋旬平均海面水温図(上)及び偏差図(下)(1995年 1月中旬)**

Fig.22 Ten-day mean SSTs in the western North Pacific (top) and anomalies (bottom) for the 2nd ten-day period in JAN 1995. Anomalies are computed from the JMA climatology (1961-90). Contour interval is 1°C and additional anomaly contours of 0.5°C are shown as broken lines. Negative anomalies are spotted.




旬平均沿岸水温(℃)
Coastal Water Temperature

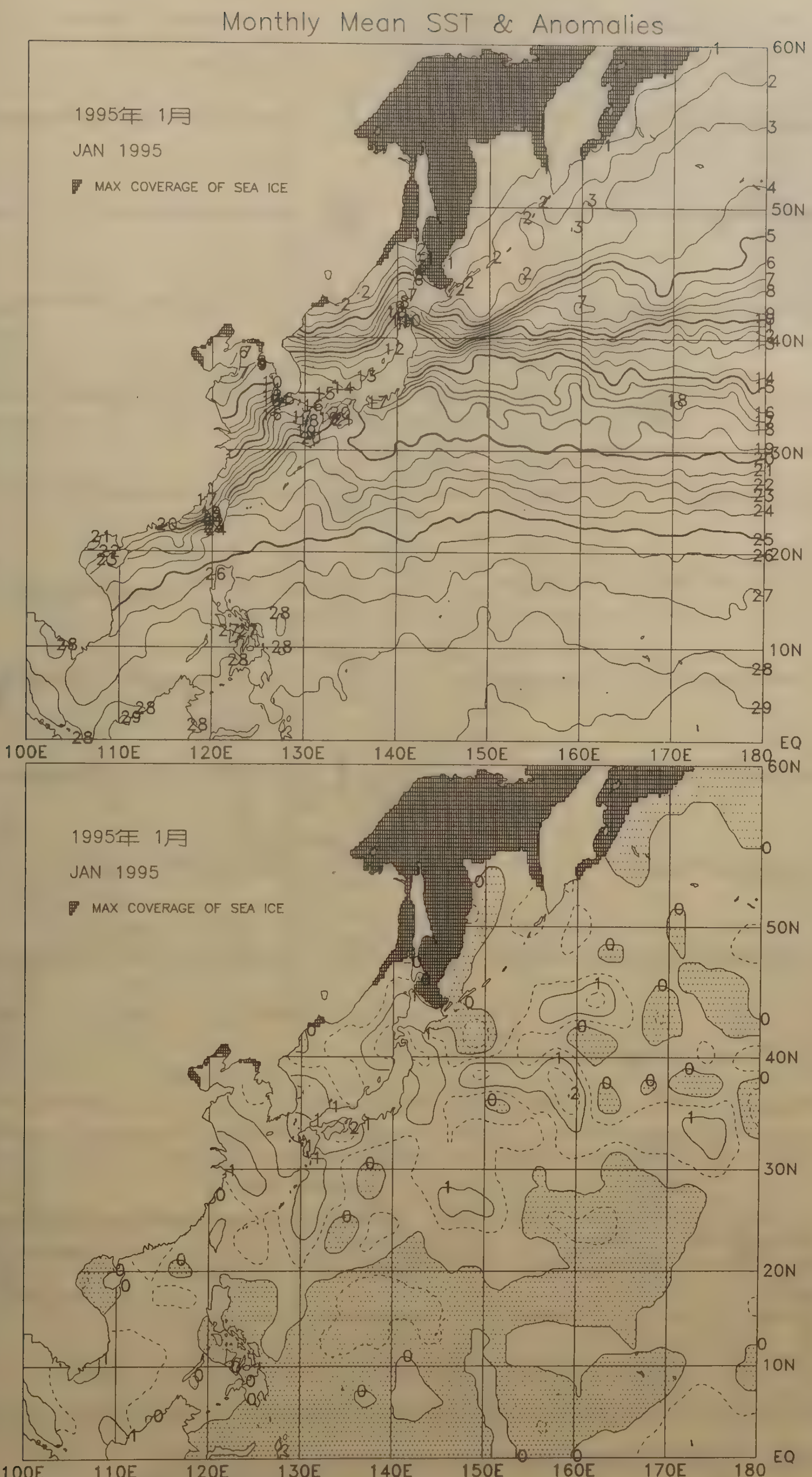
| 地点名 (Index Number) | 水温 Temp. | 偏差 Anom. |
|---|---|---|
| 石垣島(47918) | 22.5 | +2.0 |
| 那　覇(47936) | 21.2 | +1.1 |
| 名　瀬(47909) | - | - |
| 足摺岬(47898) | 17.1 | +1.3 |
| 潮　岬(47778) | 18.1 | - |
| 御前崎(47655) | 12.2 | +1.3 |
| 八丈島(47678) | 18.2 | +1.2 |
| 館　山(47672) | 15.8 | +1.8 |
| 小名浜(47598) | 11.7 | +1.4 |
| 宮　古(47585) | 9.3 | +1.1 |
| 浦　河(47426) | 2.0 | +1.0 |
| 紋　別(47435) | -1.4 | - |
| 稚　内(47401) | 0.3 | - |
| 寿　都(47421) | 6.1 | - |
| 江　差(47428) | 5.7 | - |
| 飛　島(47587) | 8.1 | -1.2 |
| 輪　島(47600) | 9.1 | +0.4 |
| 西　郷(47740) | 13.1 | - |
| 浜　田(47755) | 12.9 | - |
| 厳　原(47800) | 15.2 | - |
| 牛　深(47838) | 16.4 | - |

海洋気象ブイロボット
旬平均海面水温(℃)
Ocean Data Buoy SST

| 地点 | 位置 | 水温 |
|---|---|---|
| 日本海 | 37.9N,134.5E | 10.8 |
| 四国沖 | 29.0N,135.0E | 20.5 |
| 東シナ海 | 28.2N,126.3E | - |

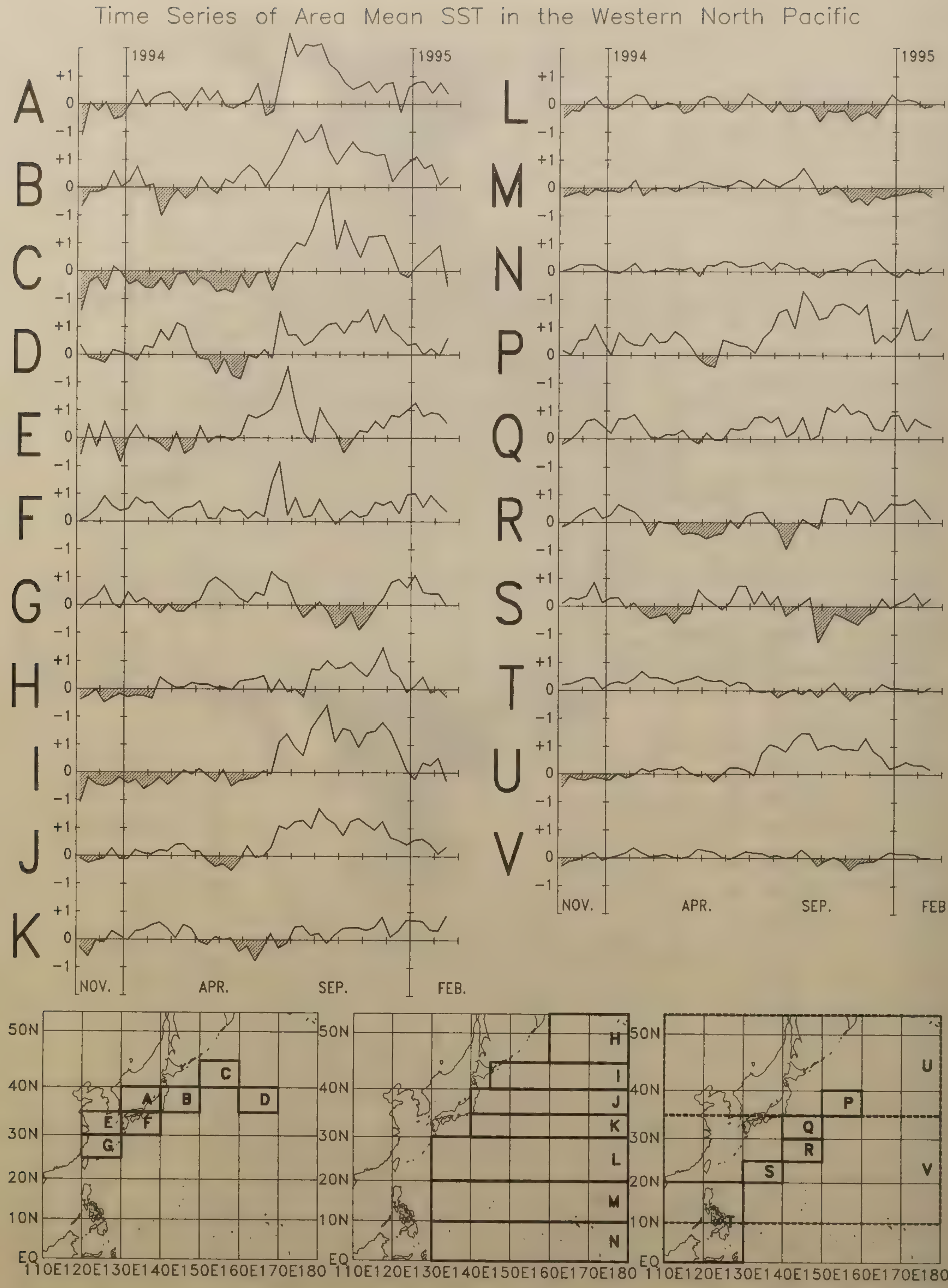
**第23図 北西太平洋旬平均海面水温図(上)及び偏差図(下)(1995年 1月下旬)**

Fig.23 Ten-day mean SSTs in the western North Pacific (top) and anomalies (bottom) for the 3rd ten-day period in JAN 1995. Anomalies are computed from the JMA climatology (1961–90). Contour interval is 1°C and additional anomaly contours of 0.5°C are shown as broken lines. Negative anomalies are spotted.



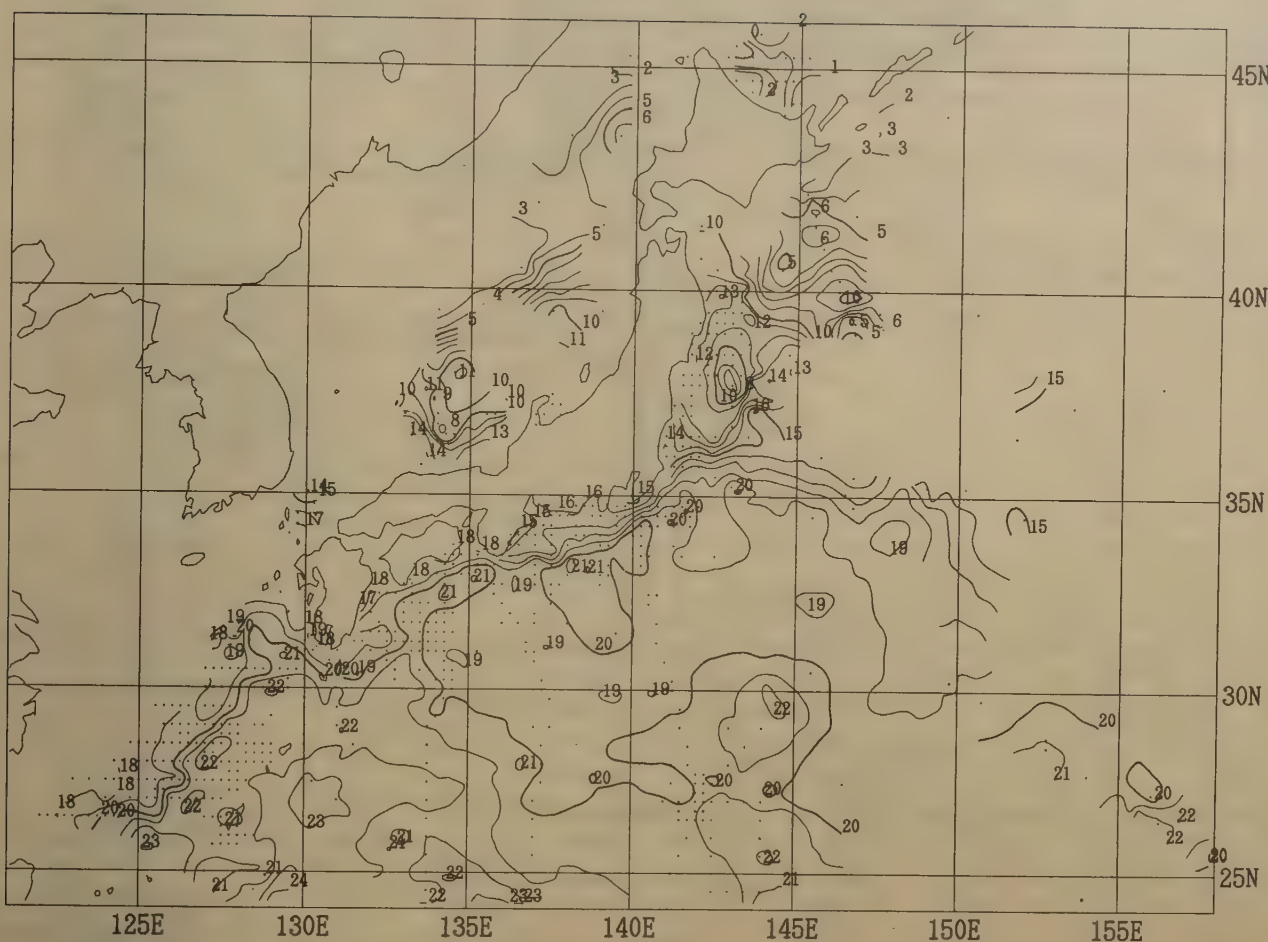

第24図 北西太平洋月平均海面水温図(上)及び偏差図(下)(1995年 1月)

Fig.24 Monthly mean SSTs in the western North Pacific (top) and anomalies (bottom) for JAN 1995. Anomalies are computed from the JMA climatology (1961–1990). Contour interval is 1°C and additional anomaly contours of 0.5°C are shown as broken lines. Negative anomalies are spotted.



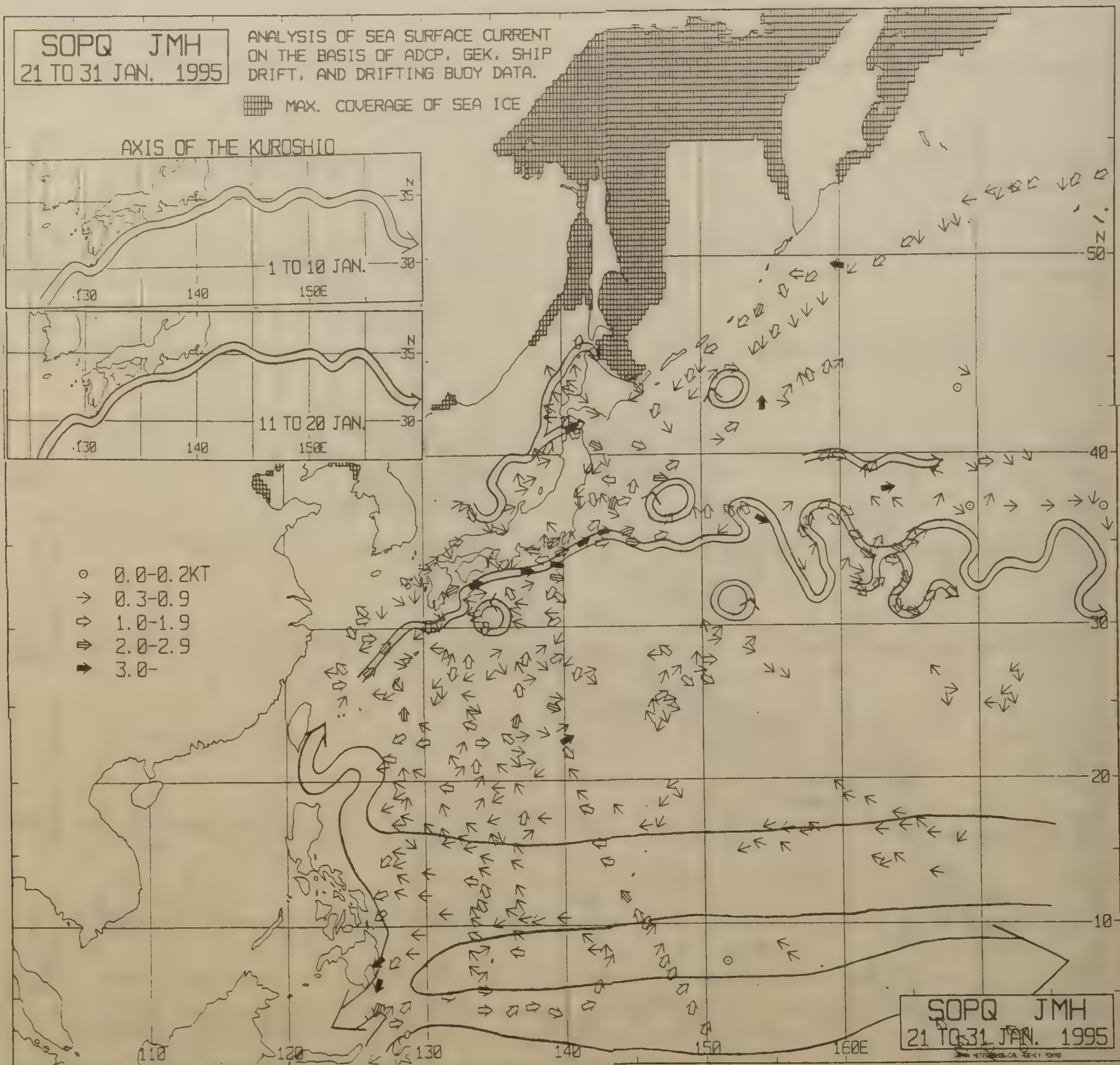

第25図　北西太平洋旬平均海面水温平年偏差時系列図

Fig.25 Time series of the ten−day mean sea surface temperature anomalies (°C) in the western North Pacific for the areas indicated at the bottom. Negative anomalies are shaded. Anomalies are computed from the JMA climatology (1961−90).



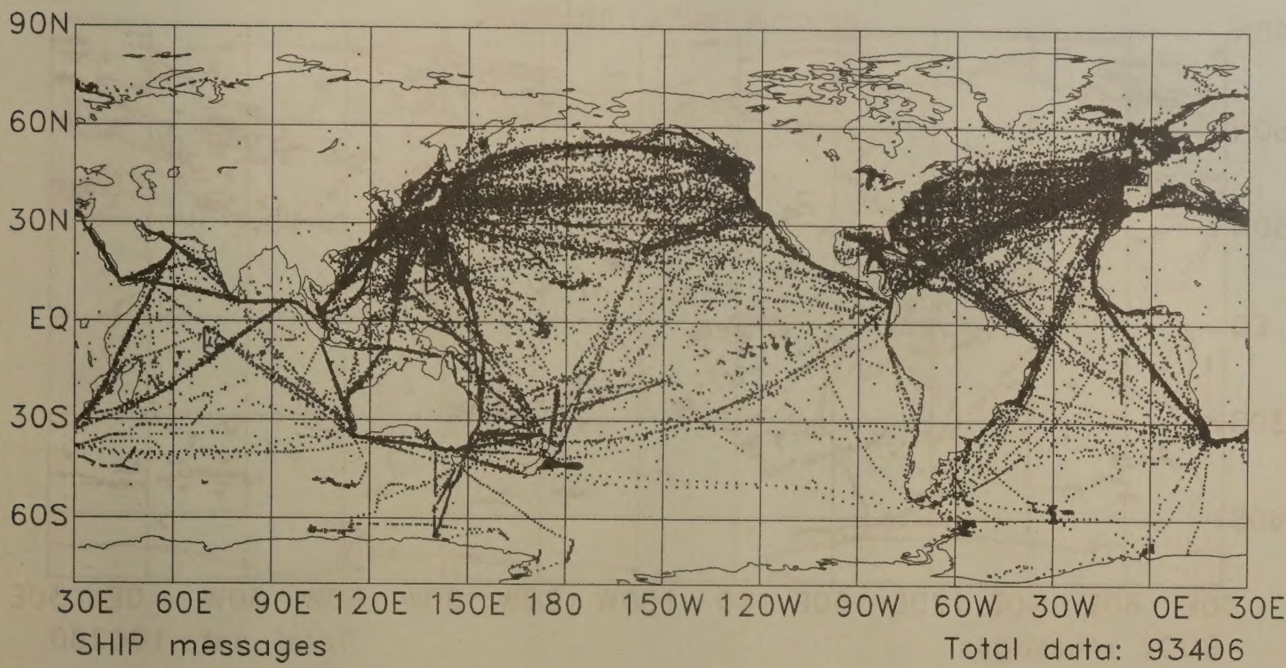

**第26図　日本近海表層水温(深さ100m)図 (1995年 1月)**

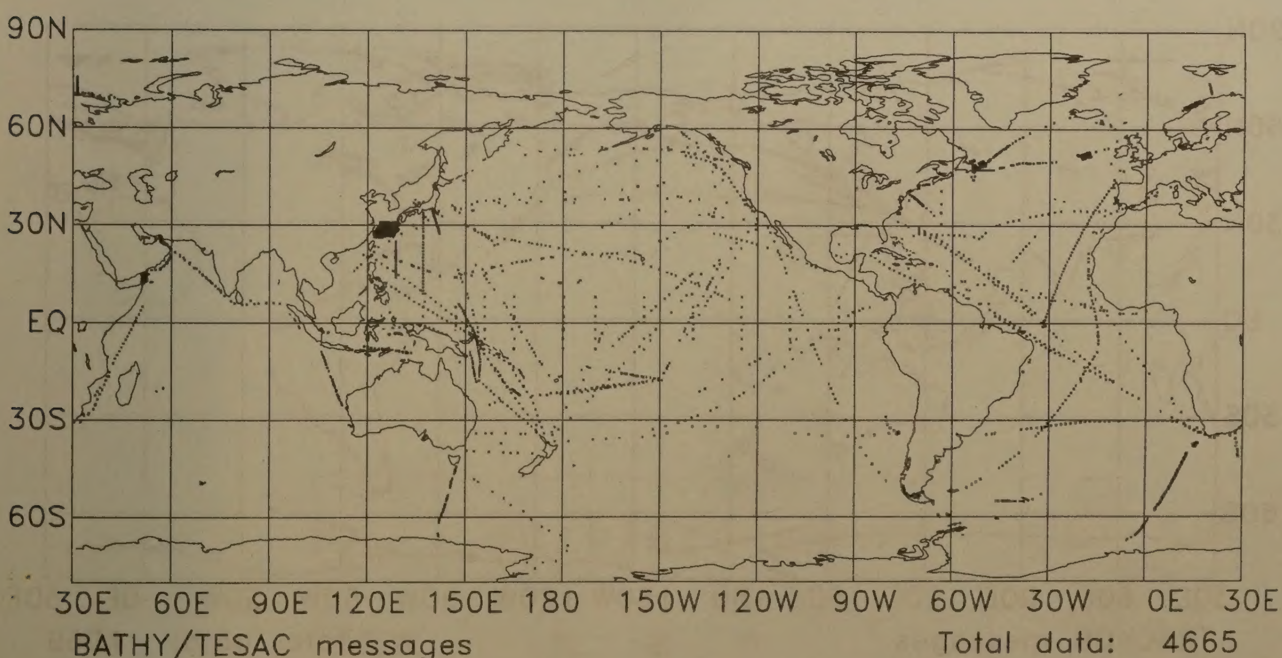
Fig.26 Subsurface (100m) temperatures in seas adjacent to Japan for JAN 1995. Observation points are denoted by dots.




第27図　北西太平洋旬平均海流図（1995年 1月下旬）

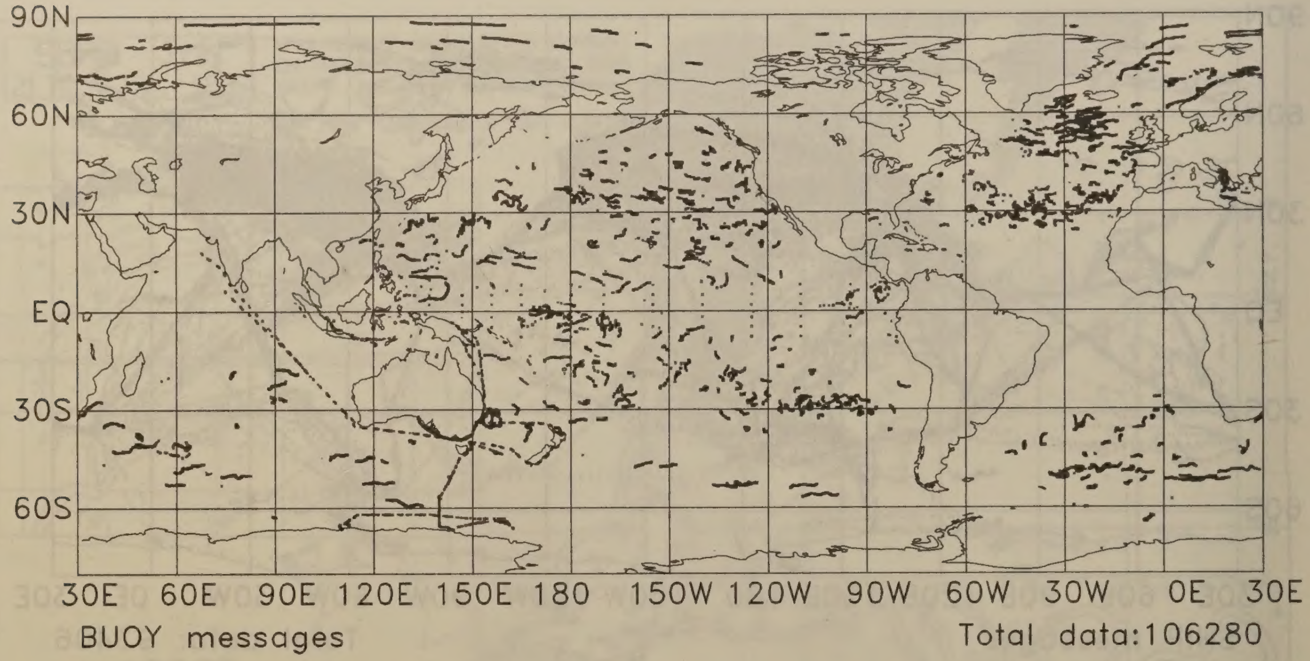
Fig.27 Ten-day analysis of the sea surface current in the western North Pacific for the 3rd ten-day period in JAN 1995. Small arrows indicate sea surface currents measured with acoustic Doppler current profilers, GEKs deployed in research vessels, and ship drift by merchant ships/drifting buoys during the month. Major currents such as the Kuroshio and the North Equatorial Current are denoted by larger open arrows.

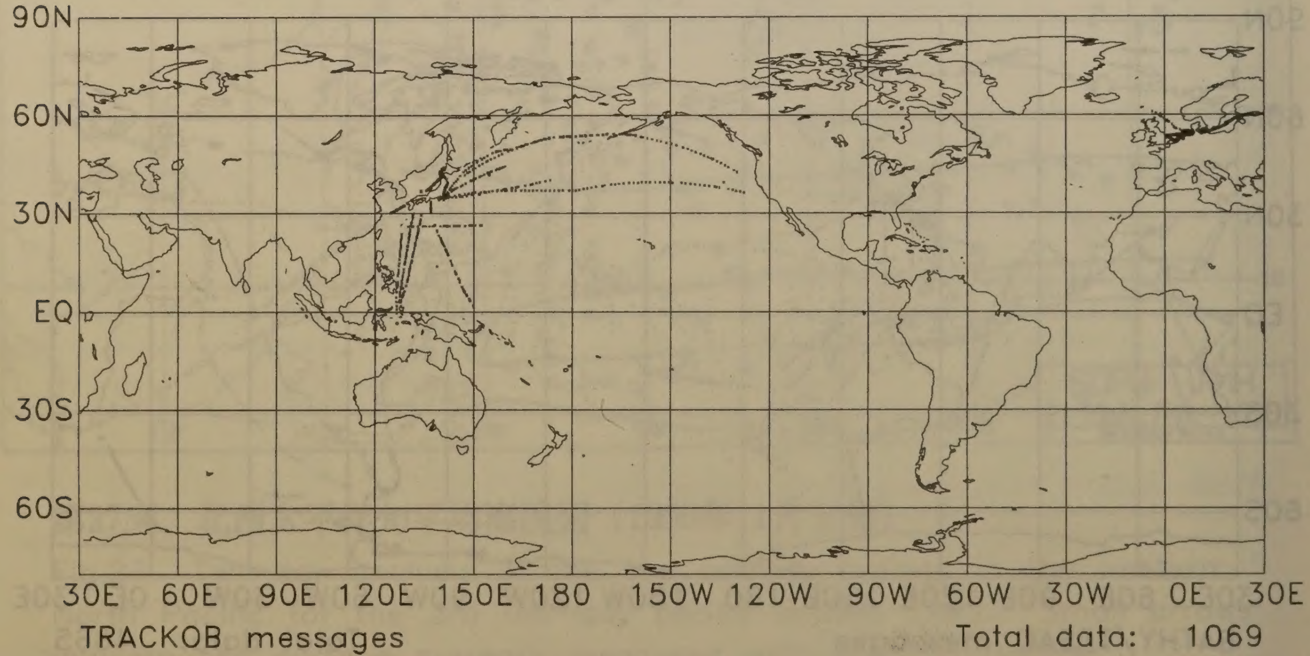



**第28-1図　測点分布図(1995年 1月)**

Fig.28−1 Geographical distribution of SHIP messages (SST data, top) and BATHY/TESAC messages (subsurface temperature data, bottom) for JAN 1995.




第28-2図　測点分布図(1995年 1月)

Fig.28-2　Geographical distribution of BUOY messages (buoy drift and SST data, top) and TRACKOB messages (ship drift and SST data, bottom) for JAN 1995.

# 気 象 庁 海 洋 月 報

## Monthly Ocean Report

January 1995 (No. 25)

平成７年２月２０日発行

編集兼　　気　象　庁
発行所　　東京都千代田区大手町 1 - 3 - 4

印刷所　　モリモト印刷株式会社
　　　　　東京都新宿区東五軒町 3 -19